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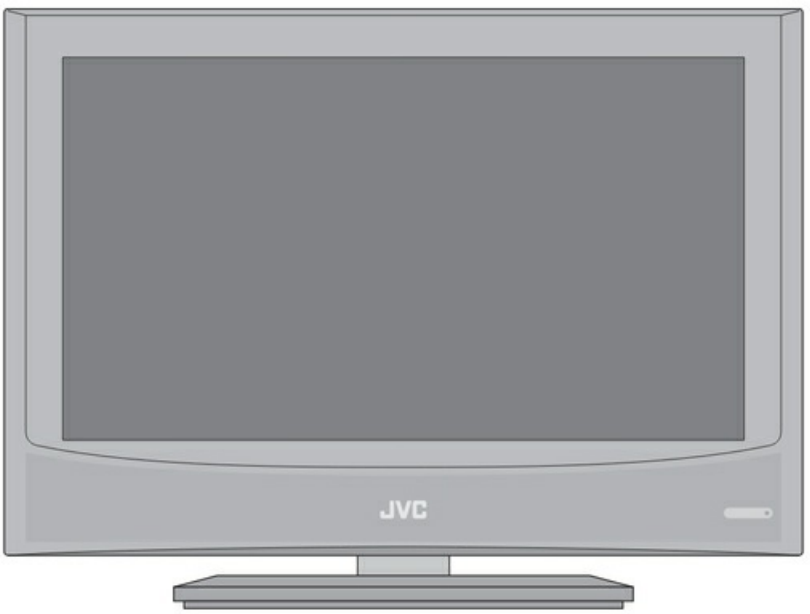
JVC LT-26A70BJ SERVICE MANUAL



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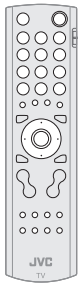
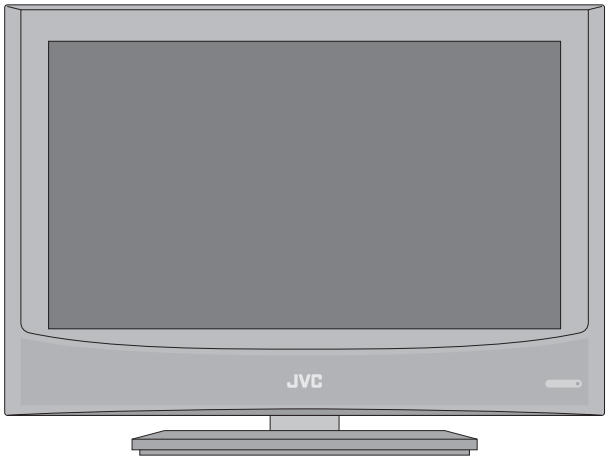
SERVICE MANUAL

WIDE LCD PANEL TELEVISION

LT-26A70BJ, LT-26A70BU, LT-26A70SJ, LT-26A70SU, LT-32A70BJ, LT-32A70BU, LT-32A70GU, LT-32A70SJ, LT-32A70SU

BASIC CHASSIS
FT2





InteriArt

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No.YA492
2006/11

SPECIFICATION

Items		Contents			
		LT-26A70BJ LT-26A70SJ	**LT-26A70BU LT-26A70SU**	**LT-32A70BJ LT-32A70SJ**	**LT-32A70BU LT-32A70GU LT-32A70SU**
Dimensions (W × H × D)		68.6 cm × 51.4 cm × 24.4 cm [Included stand] 68.6 cm × 47.4 cm × 12.2 cm [TV only]		82.0 cm × 58.8 cm × 24.4 cm [Included stand] 82.0 cm × 55.1 cm × 12.7 cm [TV only]	
Mass		11.6 kg [Included stand] 9.6 kg [TV only]		14.6 kg [Included stand] 12.6 kg [TV only]	
Power Input		AC220 V - AC240 V, 50 Hz			
Power Consumption		106 W (Standby: 0.7 W)		114 W (Standby: 0.7 W)	
TV RF System		CCIR (I)	CCIR (B/G, I, D/K, L)	CCIR (I)	CCIR (B/G, I, D/K, L)
Colour System		PAL, NTSC 3.58/4.43 [EXT only]	PAL, SECAM, NTSC 3.58/4.43 [EXT only]	PAL, NTSC 3.58/4.43 [EXT only]	PAL, SECAM, NTSC 3.58/4.43 [EXT only]
Stereo System		NICAM (I)	NICAM (B/G, I, D/K, L) A2 (B/G, D/K)	NICAM (I)	NICAM (B/G, I, D/K, L) A2 (B/G, D/K)
Teletext System		FLOF (Fastext) WST(World Standard system)	FLOF (Fastext) TOP WST(World Standard system)	FLOF (Fastext) WST(World Standard system)	FLOF (Fastext) TOP WST(World Standard system)
Receiving Frequency		UHF: 470MHz - 862MHz	VHF: 47MHz - 470MHz UHF: 470MHz - 862MHz	UHF: 470MHz - 862MHz	VHF: 47MHz - 470MHz UHF: 470MHz - 862MHz
Intermediate Frequency	VIF	38.9MHz (I)	38.9MHz (B/G, I, D/K, L)	38.9MHz (I)	38.9MHz (B/G, I, D/K, L)
	SIF	32.9MHz (6.0MHz :I)	33.4MHz (5.5MHz :B/G) 32.9MHz (6.0MHz :I) 32.4MHz (6.5MHz :D/K)	32.9MHz (6.0MHz :I)	33.4MHz (5.5MHz :B/G) 32.9MHz (6.0MHz :I) 32.4MHz (6.5MHz :D/K)
Colour Sub Carrier Frequency	PAL	4.43MHz			
	SECAM	----	4.40625MHz / 4.25MHz	----	4.40625MHz / 4.25MHz
	NTSC	3.58MHz / 4.43MHz			
LCD panel		26V-inch wide aspect (16 : 9)		32V-inch wide aspect (16 : 9)	
Screen Size		Diagonal : 66 cm (H: 57.6 cm × V: 32.4 cm)		Diagonal : 80 cm (H: 69.7 cm × V: 39.2 cm)	
Display Pixels		Horizontal : 1366 dots × Vertical : 768 dots (W-XGA)			
Audio Power Output		5 W + 5 W			
Speaker		12 cm × 12, oval type × 2			
Aerial terminal (VHF/UHF)		75 Ω unbalanced, coaxial			
EXT-1 / EXT-2 (Input / Output)		21-pin Euro connector (SCART socket) × 2			
EXT-3 (Input)	S-Video	Mini-DIN 4 pin × 1 Y: 1 V (p-p), Positive (Negative sync provided), 75 Ω C: 0.286 V (p-p) (Burst signal), 75 Ω			
	Video	1 V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 1			
	Audio	500 mV (rms), High impedance, RCA pin jack × 2			
EXT-4 (Input)	Component Video 1125i/750p 625p / 525p / 625i / 525i	RCA pin jack × 3 Y : 1 V (p-p) (Sync signal: ±0.35V(p-p), 3-value sync.), 75Ω , Pb/Pr : ±0.35V(p-p), 75 Ω Y : 1 V (p-p), Positive (Negative sync provided), 75 Ω, Cb/Cr : 0.7V(p-p), 75 Ω			
	Video	1 V (p-p), Positive (Negative sync provided), 75 Ω, RCA pin jack × 1			
	Audio	500 mV (rms), High impedance, RCA pin jack × 2			
HDMI	Video	HDMI 2-row 19pin connector × 1 (Digital-input terminal is not compatible with picture signals of personal computer)			
	Audio	Digital: HDMI 2-row 19pin connector × 1			
Headphone		3.5 mm stereo mini jack × 1			
Remote Control Unit		RM-C1816S (AA/R6 dry cell battery × 2)			

Design & specifications are subject to change without notice.

SECTION 1
PRECAUTION

1.1 SAFETY PRECAUTIONS [EXCEPT FOR UK]

(1) The design of this product contains special hardware, many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the products should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the products have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of Service manual. **Electrical components having such features are identified by shading on the schematics and by (⚠) on the parts list in Service manual**. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of Service manual may cause shock, fire, or other hazards.

(4) **Don't short between the LIVE side ground and ISOLATED (NEUTRAL) side ground or EARTH side ground when repairing.**
Some model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND, the ISOLATED (NEUTRAL) : (⏚) side GND and EARTH : (⏚) side GND.
Don't short between the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND and never measure the LIVE side GND and ISOLATED (NEUTRAL) side GND or EARTH side GND at the same time with a measuring apparatus (oscilloscope etc.). If above note will not be kept, a fuse or any parts will be broken.

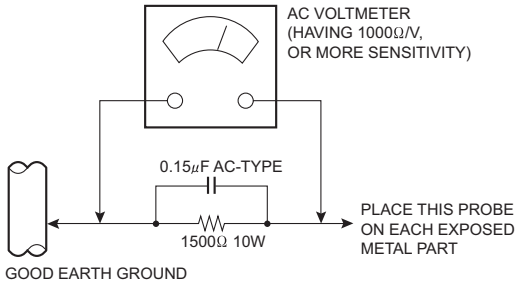
(5) When service is required, observe the original lead dress. Extra precaution should be given to assure correct lead dress in the high voltage circuit area. Where a short circuit has occurred, those components that indicate evidence of overheating should be replaced. Always use the manufacturer's replacement components.

(6) **Isolation Check (Safety for Electrical Shock Hazard)**
After re-assembling the product, always perform an isolation check on the exposed metal parts of the cabinet (antenna terminals, video/audio input and output terminals, Control knobs, metal cabinet, screw heads, earphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.

a) **Dielectric Strength Test**
The isolation between the AC primary circuit and all metal parts exposed to the user, particularly any exposed metal part having a return path to the chassis should withstand a voltage of 3000V AC (r.m.s.) for a period of one second. (. . . Withstand a voltage of 1100V AC (r.m.s.) to an appliance rated up to 120V, and 3000V AC (r.m.s.) to an appliance rated 200V or more, for a period of one second.)
This method of test requires a test equipment not generally found in the service trade.

b) **Leakage Current Check**
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground (water pipe, etc.). Any leakage current must not exceed 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.2mA AC (r.m.s.).

Alternate Check Method
Plug the AC line cord directly into the AC outlet (do not use a line isolation transformer during this check.). Use an AC voltmeter having 1000Ω per volt or more sensitivity in the following manner. Connect a 1500Ω 10W resistor paralleled by a 0.15μF AC-type capacitor between an exposed metal part and a known good earth ground (water pipe, etc.). Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC (r.m.s.). This corresponds to 0.5mA AC (r.m.s.).
However, in tropical area, this must not exceed 0.3V AC (r.m.s.). This corresponds to 0.2mA AC (r.m.s.).



1.2 SAFETY PRECAUTIONS [FOR UK]

(1) The design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.

(2) Alterations of the design or circuitry of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.

(3) Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessary be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by shading on the schematics and by (⚠) on the Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List of Service Manual may cause shock, fire, or other hazards.

(4) The leads in the products are routed and dressed with ties, clamps, tubing's, barriers and the like to be separated from live parts, high temperature parts, moving parts and / or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.

WARNING

(1) The equipment has been designed and manufactured to meet international safety standards.
(2) It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
(3) Repairs must be made in accordance with the relevant safety standards.
(4) It is essential that safety critical components are replaced by approved parts.
(5) If mains voltage selector is provided, check setting for local voltage.

1.3 INSTALLATION

1.3.1 HEAT DISSIPATION

If the heat dissipation vent behind this unit is blocked, cooling efficiency may deteriorate and temperature inside the unit will rise. The temperature sensor that protects the unit will be activated when internal temperature exceeds the pre-determined level and power will be turned off automatically.Therefore, please make sure pay attention not to block the heat dissipation vent as well as the ventilation outlet behind the unit and ensure that there is room for ventilation around it.

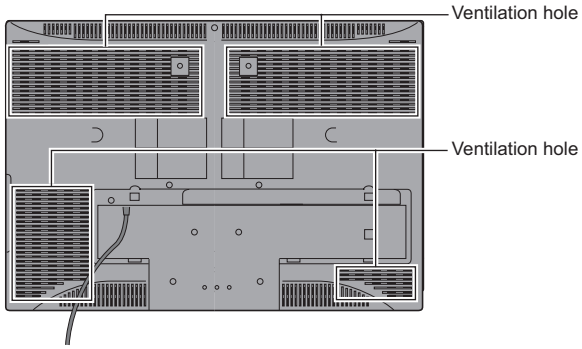


*Diagram differs from actual appearance.

1.3.2 INSTALLATION REQUIREMENTS

Ensure that the minimal distance is maintained, as specified below, between the unit with and the surrounding walls, as well as the floor etc.Install the unit on stable flooring or stands.Take precautionary measures to prevent the unit from tipping in order to protect against accidents and earthquakes.

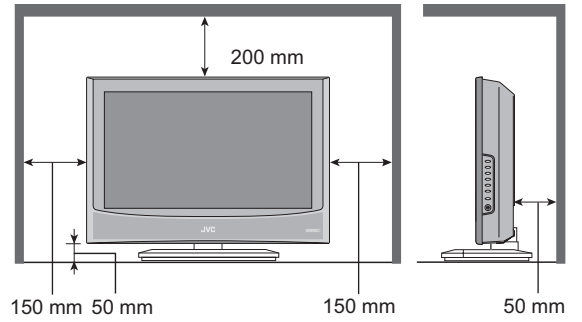


*Diagram differs from actual appearance.

1.3.3 INSTALLATION REQUIREMENTS

To ensure safety in an emergency such as an earthquake, and to prevent accidents, ensure that measures are taken to prevent the TV dropping or falling over.

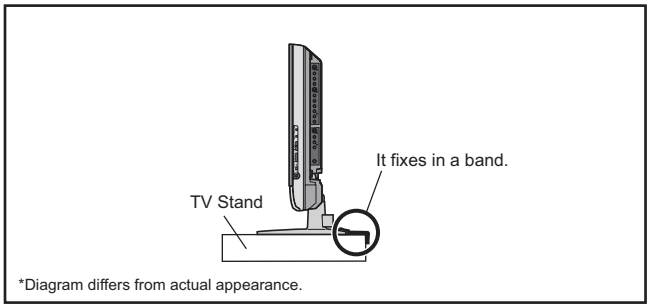


*Diagram differs from actual appearance.

1.3.4 NOTES ON HANDLING

(1) WHEN TAKING UNIT OUT OF A PACKING CASE

When taking the unit out of a packing case, do not grasp the upper part of the unit. If you take the unit out while grasping the upper part, the LCD PANEL may be damaged because of a pressure. Instead of grasping the upper part, put your hands on the lower backside or sides of the unit.

(2) AS FOR PRESSING OR TOUCHING A SPEAKER

Be careful not to press the opening of the speaker in the lower part of the unit and around them since the decorative sheet on the surface of the openings may be deformed.

1.4 HANDLING LCD PANEL

1.4.1 PRECAUTIONS FOR TRANSPORTATION

When transporting the unit, pressure exerted on the internal LCD panel due to improper handling (such as tossing and dropping) may cause damages even when the unit is carefully packed. To prevent accidents from occurring during transportation, pay careful attention before delivery, such as through explaining the handling instructions to transporters.

Ensure that the following requirements are met during transportation, as the LCD panel of this unit is made of glass and therefore fragile:

(1) USE A SPECIAL PACKING CASE FOR THE LCD PANEL
When transporting the LCD panel of the unit, use a special packing case (packing materials). A special packing case is used when a LCD panel is supplied as a service spare part.

(2) ATTACH PROTECTION SHEET TO THE FRONT
Since the front (display part) of the panel is vulnerable, attach the protection sheet to the front of the LCD panel before transportation. Protection sheet is used when a LCD panel is supplied as a service spare part.

(3) AVOID VIBRATIONS AND IMPACTS
The unit may be broken if it is toppled sideways even when properly packed. Continuous vibration may shift the gap of the panel, and the unit may not be able to display images properly. Ensure that the unit is carried by at least 2 persons and pay careful attention not to exert any vibration or impact on it.

(4) DO NOT PLACE EQUIPMENT HORIZONTALLY
Ensure that it is placed upright and not horizontally during transportation and storage as the LCD panel is very vulnerable to lateral impacts and may break. During transportation, ensure that the unit is loaded along the traveling direction of the vehicle, and avoid stacking them on one another. For storage, ensure that they are stacked in 2 layers or less even when placed upright.

1.4.2 OPTICAL FILTER (ON THE FRONT OF THE LCD PANEL)

(1) Avoid placing the unit under direct sunlight over a prolonged period of time. This may cause the optical filter to deteriorate in quality and COLOUR.

(2) Clean the filter surface by wiping it softly and lightly with a soft and lightly fuzz cloth (such as outing flannel).

(3) Do not use solvents such as benzene or thinner to wipe the filter surface. This may cause the filter to deteriorate in quality or the coating on the surface to come off. When cleaning the filter, usually use the neutral detergent diluted with water. When cleaning the dirty filter, use water-diluted ethanol.

(4) Since the filter surface is fragile, do not scratch or hit it with hard materials. Be careful enough not to touch the front surface, especially when taking the unit out of the packing case or during transportation.

1.4.3 PRECAUTIONS FOR REPLACEMENT OF EXTERIOR PARTS

Take note of the following when replacing exterior parts (REAR COVER, FRONT PANEL, etc.):

(1) Do not exert pressure on the front of the LCD panel (filter surface). It may cause irregular COLOUR.

(2) Pay careful attention not to scratch or stain the front of the LCD panel (filter surface) with hands.

(3) When replacing exterior parts, the front (LCD panel) should be placed facing downward. Place a mat, etc. underneath to avoid causing scratches to the front (filter surface).

SECTION 2
SPECIFIC SERVICE INSTRUCTIONS

2.1 FEATURES

T-V LINK

When you have a T-V LINK compatible VCR connected to the EXT-2 Terminal on the TV, it is easier to set up the VCR and to view videos.

PICTURE MODE

This function can adjust the picture settings automatically.

ZOOM

This function can change the screen size according to the picture aspect ratio.

DIGITAL VNR

This function cuts down the amount of noise in the original picture.

2.2 MAIN DIFFERENCE LIST

Item	LT-26A70BJ	LT-26A70SJ	LT-26A70BU	LT-26A70SU
Paint Color	Black	Silver	Black	Silver
Broadcasting System	I (UHF / VHF)	←	B/G, D/K, I, L	←
RF System	PAL	←	PAL,SECAM	←
Video System	PAL, NTSC	←	PAL, SECAM, NTSC	←
Teletext	FLOF / WST	←	FLOF / TOP / WST	←
Plug Type	UK Type (3 Pins)	←	EU Type (2 Pins)	←

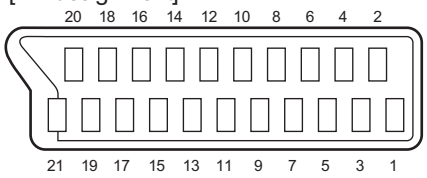
Item	LT-32A70SJ	LT-32A70BJ	LT-32A70SU	LT-32A70BU	LT-32A70GU
Paint Color	Black	Silver	Black	Silver	Titanium
Broadcasting System	I (UHF / VHF)	←	B/G, D/K, I, L	←	←
RF System	PAL	←	PAL,SECAM	←	←
Video System	PAL, NTSC	←	PAL, SECAM, NTSC	←	←
Teletext	FLOF / WST	←	FLOF / TOP / WST	←	←
Plug Type	UK Type (3 Pins)	←	EU Type (2 Pins)	←	←

2.3 21-PIN EURO CONNECTOR (SCART) : EXT-1 / EXT-2

Pin No.	Signal designation	Matching value	EXT-1	EXT-2
1	AUDIO R output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)
2	AUDIO R input	500mV(rms) (Nominal), High impedance	Used (R1)	Used (R2)
3	AUDIO L output	500mV(rms) (Nominal), Low impedance	Used (TV OUT)	Used (LINE OUT)
4	AUDIO GND		Used	Used
5	GND (B)		Used	Used
6	AUDIO L input	500mV(rms) (Nominal), High impedance	Used (L1)	Used (L2)
7	B input	$700mV_{(B-W)}$, 75Ω	Used	Used
8	FUNCTION SW (SLOW SW)	Low : 0V-3V High : 8V-12V, High impedance	Used	Used
9	GND (G)		Used	Used
10	SCL / T-V LINK		Not used	Used (SCL2 / TV-LINK)
11	G input	$700mV_{(B-W)}$, 75Ω	Used	Used
12	SDA		Not used	Used (SDA2)
13	GND (R)		Used	Used
14	GND (YS)		Used	Not used
15	R / C input	R : $700mV_{(B-W)}$, 75Ω C : $300mV_{(P-P)}$, 75Ω	Used (R)	Used (C2/R)
16	Ys input (FAST SW)	Low : 0V-0.4V, High : 1V-3V, 75Ω	Used	Used
17	GND (VIDEO output)		Used	Used
18	GND (VIDEO input)		Used	Used
19	VIDEO output	$1V_{(P-P)}$ (Negative sync), 75Ω	Used (TV OUT)	Used (LINE OUT)
20	VIDEO / Y input	$1V_{(P-P)}$ (Negative sync), 75Ω	Used	Used
21	COMMON GND		Used	Used

(P-P= Peak to Peak, B-W= Blanking to white peak)

[Pin assignment]



2.4 TECHNICAL INFORMATION

2.4.1 LCD PANEL

This unit uses the flat type panel LCD (Liquid Crystal Display) panel that occupies as little space as possible, instead of the conventional CRT (Cathode Ray Tube), as a display unit.
Since the unit has the two polarizing filter that are at right angles to each other, the unit adopts "normally black" mode, where light does not pass through the polarizing filter and the screen is black when no voltage is applied to the liquid crystals.

2.4.1.1 SPECIFICATIONS

The following table shows the specifications of this unit.

Item	Specifications	
	26V LCD PANEL UNIT	32V LCD PANEL UNIT
Maximum dimensions (W × H × D)	62.6 cm × 37.3 cm × 4.8 cm	76.0 cm × 45.0 cm × 4.5 cm
Weight	4.5 kg	6.9 kg
Effective screen size	Diagonal: 660 mm (H: 576 mm × V: 324 mm)	Diagonal: 800 mm (H: 697 mm × V: 392 mm)
Aspect ratio	16 : 9	
Drive device / system	a-Si-TFT active matrix system	
Resolution	Horizontally 1366 × Vertically 768 × RGB < W-XGA > 3147264 dots in total	
Pixel pitch (pixel size)	Horizontally: 0.4215 mm, Vertically: 0.4215 mm	Horizontally: 0.51075 mm, Vertically: 0.51075 mm
Displayed colour	16777216 colours 256 colours for R G and B	
Brightness	500cd/m2	
Contrast ratio	1200 : 1	
Response time (Tr)	less than 8 ms	
View angle (Horizontally)	176°	
View angle (Vertically)	176°	
Surface polarizer	Anti-Glare type Low reflective coat	
Colour filter	Vertical stripe	
Backlight	Cold cathode fluorescent lamp × 6	Cold cathode fluorescent lamp × 12
Power supply voltage in LCD	5 V	
Power supply voltage in inverter	24 V	
Panel interface system	LVDS (Low Voltage Differential Signaling)	

2.4.1.2 PIXEL FAULT

There are three pixel faults - bright fault , dark fault and flicker fault - that are respectively defined as follows.

■ **BRIGHT FAULT**

In this pixel fault, a cell that should not light originally is lighting on and off.
For checking this pixel fault, input ALL BLACK SCREEN and find out the cell that is lighting on and off.

■ **DARK FAULT**

In this pixel fault, a cell that should light originally is not lighting or lighting with the brightness twice as brighter as originally lighting.
For checking this pixel fault, input 100% of each R/G/B colour and find out the cell that is not lighting.

■ **FLICKER FAULT**

In the pixel fault, a cell that should light originally or not light originally is flashing on and off.
For checking this pixel fault, input ALL BLACK SCREEN signal or 100% of each RGB colour and find out the cell that is flashing on and off.

2.4.2 MAIN CPU PIN FUNCTION [IC3 : MAIN PWB]

Pin	Pin name	I/O	Function	Pin	Pin name	I/O	Function
1	P9_4	O	PANEL_POWER_CONTROL	51	A17	O	Program ROM address for CPU
2	P9_3	O	POWER	52	A16	O	Program ROM address for CPU
3	P9_2	O	SC_RGB_CONTROL	53	A15	O	Program ROM address for CPU
4	P9_1	O	SOUNDAMP_POWER	54	A14	O	Program ROM address for CPU
5	HP_DET	I	HEADPHONE_DETECT	55	A13	O	Program ROM address for CPU
6	BYTE	I	BYTE	56	A12	O	Program ROM address for CPU
7	CNVSS	I	CNVSS	57	A11	O	Program ROM address for CPU
8	XCIN	-	Not used	58	A10	O	Program ROM address for CPU
9	XCOUT	-	Not used	59	A9	O	Program ROM address for CPU
10	CPU_RESET	I	/RESET	60	VCC2	I	3.3V
11	XOUT	O	XOUT	61	A8	O	Program ROM address for CPU
12	VSS	-	VSS	62	VSS	-	VSS
13	XIN	I	XIN	63	A7	O	Program ROM address for CPU
14	VCC1	I	3.3V	64	A6	O	Program ROM address for CPU
15	P8_5	-	Not used	65	A5	O	Program ROM address for CPU
16	P8_4	-	Not used	66	A4	O	Program ROM address for CPU
17	/INT1	I	PX_INT#	67	A3	O	Program ROM address for CPU
18	/INT0	I	REMOCON	68	A2	O	Program ROM address for CPU
19	P8_1	-	Not used	69	A1	O	Program ROM address for CPU
20	P8_0	O	LED_ON	70	A0	O	Program ROM address for CPU
21	P7_7	O	HDMI_DETECT	71	P1_7	-	Not used
22	P7_6	O	SOUNDAMP MUTE	72	P1_6	-	Not used
23	P7_5	I	DEBUG	73	P1_5	I	TV_LINK_IN
24	P7_4	O	BACKLIGHT_CONTROL	74	P1_4	O	EDID_WP
25	P7_3	O	HDMI_DAC_MUTE	75	P1_3	-	Not used
26	P7_2	-	Not used	76	P1_2	O	TV_LINK_CONTROL
27	P7_1	I/O	SCL_EEP	77	P1_1	O	TV_LINK_OUT
28	P7_0	I/O	SDA_EEP	78	P1_0	I	HDMI_PICTURE_SIGNAL_INDICATON
29	P6_7	I/O	TX	79	D7	I/O	Program ROM data for CPU
30	P6_6	I/O	RX	80	D6	I/O	Program ROM data for CPU
31	P6_5	I/O	DEBUG3	81	D5	I/O	Program ROM data for CPU
32	P6_4	I/O	DEBUG2	82	D4	I/O	Program ROM data for CPU
33	P6_3	I/O	SDA_DEVICE	83	D3	I/O	Program ROM data for CPU
34	P6_2	I/O	SCL_DEVICE	84	D2	I/O	Program ROM data for CPU
35	P6_1	O	RESET_for_PX	85	D1	I/O	Program ROM data for CPU
36	P6_0	O	RESET_for_MSP	86	D0	I/O	Program ROM data for CPU
37	P5_7	-	Not used	87	AN7	I	TUNER AGC
38	ALE	O	PX,FLASH_ALE	88	AN6	I	TUNER AFT
39	P5_5	I/O	DEBUG6	89	AN5	I	LOW VOLTAGE_PROTECTION
40	P5_4	-	Not used	90	AN4	I	HDMI_PROTECTION
41	P5_3	-	Not used	91	AN3	I	POWER_DET
42	/RD	O	PX,FLASH_RD#	92	AN2	I	KEYA
43	/WRH /BHE	O	RY_BY	93	AN1	I	KEYB
44	/WR	O	PX,FLASH_WR#	94	VSS	-	VSS
45	/CS3	-	Not used	95	AN0	-	Not used
46	/CS2	O	PX_CHIPSELECT#	96	VREF	I	3.3V
47	/CS1	-	Not used	97	AVCC	I	3.3V
48	/CS0	O	FLASH_CHIPSELECT#	98	P9_7	O	AUDIO_MUTE
49	A19	O	Program ROM address for CPU	99	P9_6	O	BACKLIGHT_POWER
50	A18	O	Program ROM address for CPU	100	P9_5	O	EEP_WP

SECTION 3
DISASSEMBLY

3.1 DISASSEMBLY PROCEDURE

CAUTION AT DISASSEMBLY:

- Make sure that the power cord is disconnected from the outlet.
- Pay special attention not to break or damage the parts.
- When removing each board, remove the connectors as required. Taking notes of the connecting points (connector numbers) makes service procedure manageable.
- Make sure that there is no bent or stain on the connectors before inserting, and firmly insert the connectors.

3.1.1 REMOVING THE STAND

(1) Remove the 4 screws **[A]**, then remove the STAND ASS'Y.

3.1.2 REMOVING THE REAR COVER AND BACK BRACKET

- Remove the STAND.
  (1) Remove the 8 screws **[B]**, 3 screw **[C]**.
  (2) Remove the REAR COVER.
  (3) Remove the 4 screws **[D]**.
  (4) Remove the BACK BRACKET.

3.1.3 REMOVING THE POWER PWB

- Remove the STAND.
- Remove the REAR COVER.
- Remove the POWER CORD.
  (1) Remove the 4 screws **[E]**.
  (2) Remove the POWER PWB.

3.1.4 REMOVING THE MAIN PWB

- Remove the STAND.
- Remove the REAR COVER.
  (1) Remove the 3 screws **[F]** and 2 screws **[G]**.
  (2) Remove the TERMINAL BASE.
  (3) Remove the 8 screws **[H]** and 1 screw **[J]**.
  (4) Remove the SHIELD COVER.
  (5) Remove the 4 screws **[K]** .
  (6) Remove the MAIN PWB.

3.1.5 REMOVING THE CONTROL KNOB ASS'Y AND CONTROL PWB

- Remove the STAND.
- Remove the REAR COVER.
  (1) Remove the 2 screws **[L]**.
  (2) Remove the CONTROL PWB with the CONTROL KNOB ASS'Y.
  (3) Remove the CONTROL PWB from the CONTROL KNOB ASS'Y.

3.1.6 REMOVING THE IR PWB

- Remove the STAND.
- Remove the REAR COVER.
  (1) Remove the 2 screws **[M]**.
  (2) Remove the IR PWB.

3.1.7 REMOVING THE SPEAKER HOLDER AND SPEAKER

- Remove the STAND.
- Remove the REAR COVER.
  (1) Remove the 2 screws **[P]**.
  (2) Remove the SPEAKER with the SPEAKER HOLDER.
  (3) Remove the 4 screws **[N]**.
  (4) Remove the SPEAKER.
  (5) The other SPEAKER HOLDER AND SPEAKER are removed according to similar procedure.

3.1.8 REMOVING THE LCD PANEL UNIT

- Remove the STAND.
- Remove the REAR COVER.
- Remove the TERMINAL BASE.
  (1) Remove the 2 screws **[Q]** and 1 screw **[R]**.
  (2) Remove the STAND BRACKET.
  (3) Remove the 4 screws **[S]**.
  (4) Remove the MAIN BASE.
  (5) Remove the 6 screws **[T]**.
  (6) Remove the LCD PANEL UNIT.

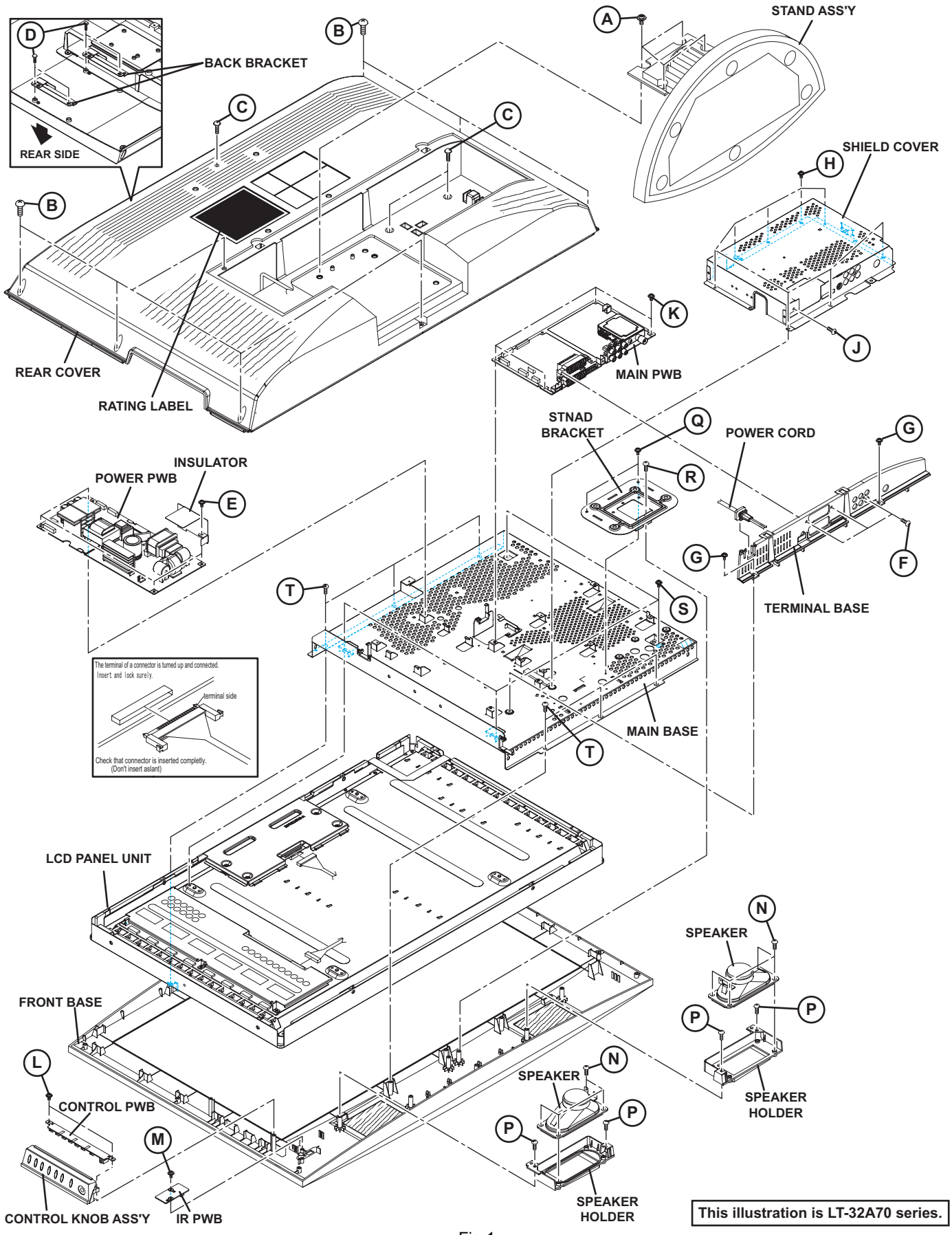

STAND ASS'Y
BACK BRACKET
REAR SIDE
SHIELD COVER
REAR COVER
RATING LABEL
MAIN PWB
STNAD BRACKET
POWER CORD
INSULATOR
POWER PWB
TERMINAL BASE
MAIN BASE
The terminal of a connector is turned up and connected. Insert and lock surely.
terminal side
Check that connector is inserted completly. (Don't insert aslant)
LCD PANEL UNIT
SPEAKER
FRONT BASE
SPEAKER HOLDER
CONTROL PWB
CONTROL KNOB ASS'Y
IR PWB
SPEAKER HOLDER
This illustration is LT-32A70 series.

Fig.1

3.2 MEMORY IC REPLACEMENT

- This model uses the memory IC.
- This memory IC stores data for proper operation of the video and drive circuits.
- When replacing, be sure to use an IC containing this (initial value) data.

3.2.1 MEMORY IC REPLACEMENT PROCEDURE

1. Power off
Switch off the power and disconnect the power plug from the AC outlet.

2. Replace the memory IC
Be sure to use the memory IC written with the initial setting values.

3. Power on
Connect the power plug to the AC outlet and switch on the power.

4. Receiving channel setting
Refer to the OPERATING INSTRUCTIONS and set the receive channels (Channels Preset) as described.

5. User setting
Check the user setting items according to the given in page later. Where these do not agree, refer to the OPERATING INSTRUCTIONS and set the items as described.

6. SERVICE MODE setting
Verify what to set in the SERVICE MODE, and set whatever is necessary (Fig.1). Refer to the SERVICE ADJUSTMENT for setting.

3.2.2 SERVICE MODE SETTING

■SERVICE MODE SCREEN

NOTE:
As self check feature is not used in this TV, **"2.SELF_CHECK"** and **"4.OPTION"** cannot be selected (screen display only).

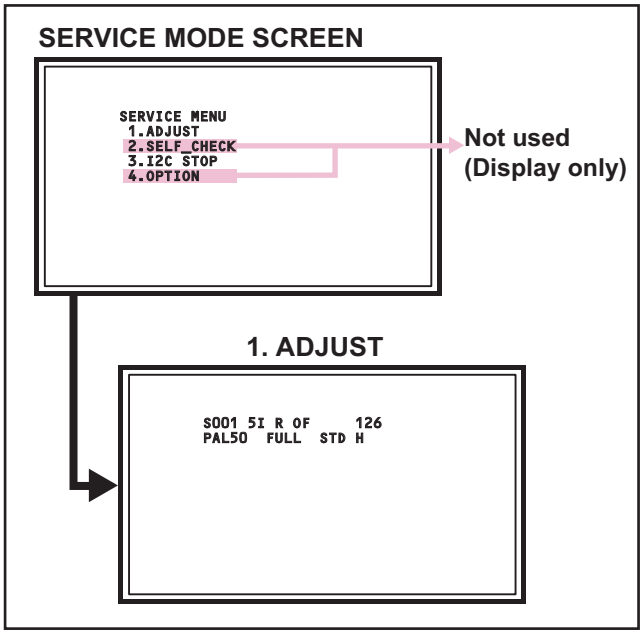


Fig.1

■SETTING ITEM

Setting items	Setting items	Settings	Item No.
1.ADJUST	Video system setting -1	Adjust	S001 - S096
	Video system setting -2	Fixed	D001 - D020 D031 - D099
	Audio System Setting -1	Fixed	A001 - A003
	Audio system setting -2	Fixed	SD10 - SD15
	Option Setting	Fixed	O001 - O004

3.2.3 SETTINGS OF FACTORY SHIPMENT

3.2.3.1 BUTTON OPERATION

Setting item	Setting position
POWER	Off
CHANNEL	PR1
VOLUME	10
TV/AV	TV

3.2.3.2 REMOTE CONTROL DIRECT OPERATION

Setting item	Setting position
CHANNEL	PR1
VOLUME	10
ZOOM	AUTO
3D SOUND	OFF
SUB POWER	OFF

3.2.3.3 REMOTE CONTROL MENU OPERATION

(1) PICTURE

Setting item		Setting position
PICTURE MODE		BRIGHT
COLOUR TEMP.		COOL
FEATURES		
DIGITAL VNR		AUTO (LOW)
COLOUR SYSTEM	TV	Depends on PR/CH
	EXT	AUTO
4:3 AUTO ASPECT		PANORAMIC

(2) SOUND

Setting item	Setting position
STEREO / I•II	Stereo sound
BASS	Centre
TREBLE	Centre
BALANCE	Centre
3D SOUND	OFF

(4) FEATURES

Setting item	Setting position
SLEEP TIMER	OFF
CHILD LOCK	ID NO.0000, All CH off
APPEARANCE	TYPE A
BLUE BACK	ON
FAVOURITE SETTING	Reset

(5) SET UP

Setting item	Setting position
AUTO PROGRAM	TV channel automatically set
EDIT/MANUAL	PRESET CH only
LANGUAGE	ENGLISH
DECODER (EXT-2)	OFF
EXT SETTING	
S-IN	BLANK
ID	BLANK
DUBBING	EXT-1 → EXT-2

3.3 REPLACEMENT OF CHIP COMPONENT

3.3.1 CAUTIONS

(1) Avoid heating for more than 3 seconds.
(2) Do not rub the electrodes and the resist parts of the pattern.
(3) When removing a chip part, melt the solder adequately.
(4) Do not reuse a chip part after removing it.

3.3.2 SOLDERING IRON

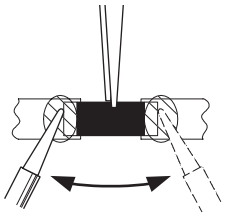
(1) Use a high insulation soldering iron with a thin pointed end of it.
(2) A 30w soldering iron is recommended for easily removing parts.

3.3.3 REPLACEMENT STEPS

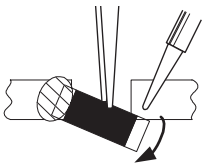
1. How to remove Chip parts

[Resistors, capacitors, etc.]

(1) As shown in the figure, push the part with tweezers and alternately melt the solder at each end.



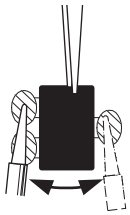
(2) Shift with the tweezers and remove the chip part.



[Transistors, diodes, variable resistors, etc.]

(1) Apply extra solder to each lead.

(2) As shown in the figure, push the part with tweezers and alternately melt the solder at each lead. Shift and remove the chip part.

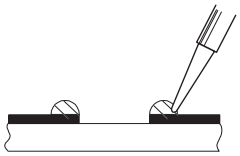


NOTE :
After removing the part, remove remaining solder from the pattern.

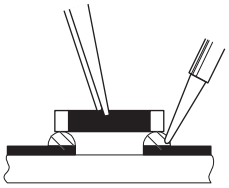
2. How to install Chip parts

[Resistors, capacitors, etc.]

(1) Apply solder to the pattern as indicated in the figure.

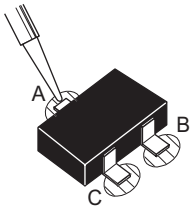


(2) Grasp the chip part with tweezers and place it on the solder. Then heat and melt the solder at both ends of the chip part.

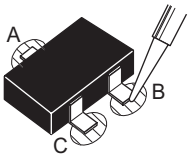


[Transistors, diodes, variable resistors, etc.]

(1) Apply solder to the pattern as indicated in the figure.
(2) Grasp the chip part with tweezers and place it on the solder.
(3) First solder lead **A** as indicated in the figure.



(4) Then solder leads **B** and **C**.



SECTION 4
ADJUSTMENT

4.1 ADJUSTMENT PREPARATION

(1) **The adjustment using the REMOTE CONTROL UNIT is made on the basis of the initial setting values. The setting values which adjust the screen to the optimum condition can be different from the initial setting values.**
(2) Make sure that connection is correctly made AC to AC power source.
(3) Turn on the power of the TV and measuring instruments for warming up for at least 30 minutes before starting adjustments.
(4) If the receive or input signal is not specified, use the most appropriate signal for adjustment.
(5) Never touch the parts (such as variable resistors, transformers and condensers) not shown in the adjustment items of this service adjustment.

4.2 PRESET SETTING BEFORE ADJUSTMENTS

Unless otherwise specified in the adjustment items, preset the following functions with the REMOTE CONTROL UNIT.

Setting item	Settings position
PICTURE MODE	STANDARD
PICTURE adjustments	Centre
COLOUR TEMP.	NORMAL

4.3 MEASURING INSTRUMENT AND FIXTURES

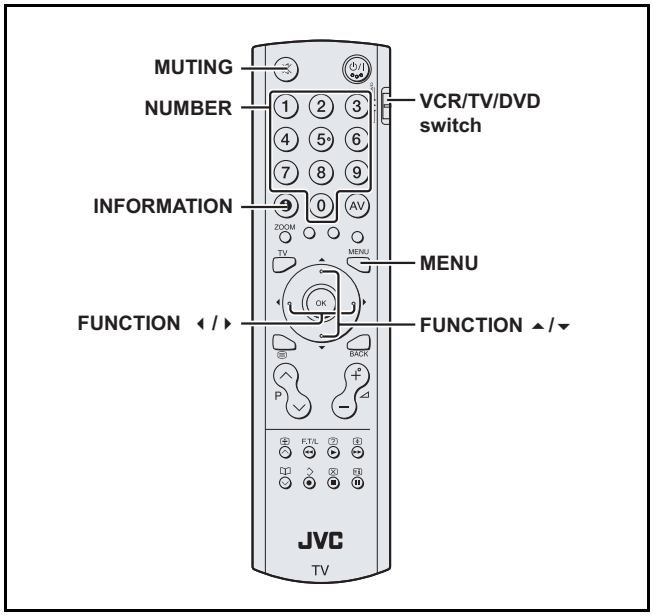
- Signal generator (Pattern generator)[PAL]
- Remote control unit

4.4 ADJUSTMENT ITEMS

■ **VIDEO CIRCUIT**
- WHITE BALANCE (HIGH LIGHT) adjustment

4.5 BASIC OPERATION OF SERVICE MODE

4.5.1 SERVICE MODE SELECT KEY LOCATION



4.5.2 HOW TO ENTER THE SERVICE MODE

(1) Press **[INFORMATION]** key and **[MUTING]** key on the remote control unit simultaneously to enter the SERVICE MODE SCREEN. (Fig.1)

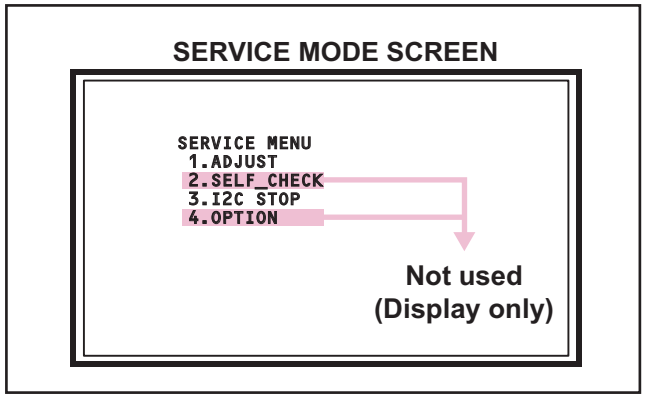


Fig.1

NOTE:
- As self check feature is not used in this TV, **"2.SELF_CHECK"** and **"4.OPTION"**cannot be selected (screen display only).
- Before entering the SERVICE MODE, confirm that the setting of VCR/TV/DVD switch is at the **"TV"** side. If the switches have not been properly set, you cannot enter the SERVICE MODE."

4.5.3 HOW TO EXIT THE SERVICE MODE

Press the **[MENU]** key to exit the Service mode.

4.5.4 CHANGE AND MEMORY OF SETTING VALUE

SELECTION OF SETTING ITEM
- **[FUNCTION ▲/▾]** key.
  For scrolling up / down the setting items.

CHANGE OF SETTING VALUE (DATA)
- **[FUNCTION ◂ / ▸]** key.
  For scrolling up / down the setting values.

MEMORY OF SETTING VALUE (DATA)

Changed setting value is memorized by pressing **[MUTING]** key.

4.5.5 ADJUSTMENT MODE

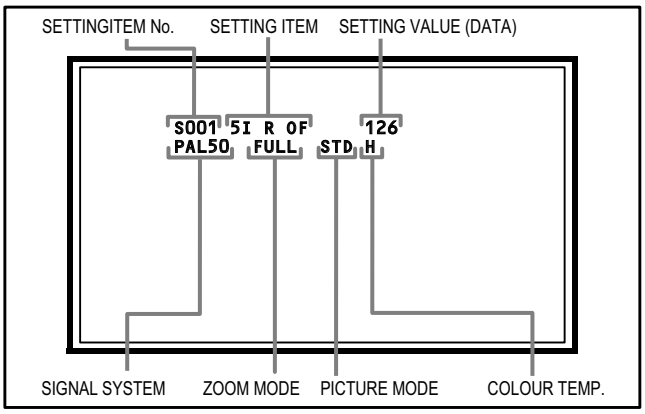
This mode is used to adjust the VIDEO CIRCUIT.

4.5.5.1 HOW TO ENTER THE ADJUSTMENT MODE

When the SERVICE MENU SCREEN of SERVICE MODE is displayed, press **[1]** key to enter the ADJUSTMENT MODE (Fig.2).

NOTE:
- When a number key other than the **[1]** key is pressed in the SERVICE MODE SCREEN, the other relevant screen may be displayed.
  This is not used in the adjustment procedure. Press the **[MENU]** key to return to the SERVICE MODE SCREEN.

4.5.5.2 DESCRIPTION OF STATUS DISPLAY



(1) SIGNAL SYSTEM

The signal displayed on the screen is displayed.

PAL50 : PAL50Hz
PAL60 : PAL60Hz
SECAM : SECAM
NTSC3 : NTSC3.58
NTSC4 : NTSC4.43
H525I : 525i(Component/HDMI)
H625I : 625i(Component/HDMI)
H525P : 525p(Component/HDMI)
H625P : 625p(Component/HDMI)
H750P : 750p(Component/HDMI)
H125I : 1125i(Component/HDMI)
VGA : VGA(HDMI)

(2) ZOOM MODE

State of the screen mode is displayed.

NOTE:

In ADJUSTMENT MODE, the screen mode can be set only to **"FULL"**. When it is entered to ADJUSTMENT MODE, it is automatically changed to **"FULL"**, even if the setting is in other screen mode.

(3) PICTURE MODE

State of the picture mode is displayed.

NOTE:

In ADJUSTMENT MODE, the picture mode can be set only to **"STANDARD"**. When it is entered to ADJUSTMENT MODE, it is automatically changed to **"STANDARD"**, even if the setting is in other picture mode.

(4) WHITE BALANCE

State of the colour temperature is displayed.

NOTE:

In ADJUSTMENT MODE, the colour temperature can be set only to **"NORMAL"**. When it is entered to ADJUSTMENT MODE, it is automatically changed to **"NORMAL"**, even if the setting is in other colour temperature.

(5) SETTING ITEM NAME

Setting item name are displayed. The setting item numbers to be displayed are listed below.

Item No.	Setting item
S001 - S043	Video system setting -1
D001 - D020 D031 - D099	Video system setting -2 **[Do not adjust]**
A001 - A003	Audio system setting -1 **[Do not adjust]**
SD10 - SD15	Audio system setting -2 **[Do not adjust]**
O001 - O004	Option data setting **[Not used]**

(6) SETTING ITEM NO.

Setting item numbers are displayed. For the setting item names to be displayed, refer to "INITIAL SETTING VALUES IN THE SERVICE MODE".

(7) SETTING VALUE (DATA)

The SETTING VALUE is displayed.

4.6 INITIAL SETTING VALUES IN THE SERVICE MODE

- Perform fine-tuning based on the "initial values" using the remote control when in the Service mode.
- The "initial values" serve only as an indication rough standard and therefore the values with which optimal display can be achieved may be different from the default values. But, don't change the values that are not written in "ADJUSTMENT PROCEDURE". They are fixed values.

4.6.1 ADJUSTMENT MODE

4.6.1.1 VIDEO SYSTEM SETTING-1

Item No.	Item name	Variable range	Setting value
S001	CVBS R OF	0 - 255	130
S002	CVBS G OF	0 - 255	130
S003	CVBS B OF	0 - 255	129
S004	5I R OF	0 - 255	0
S005	5I G OF	0 - 255	0
S006	5I B OF	0 - 255	0
S007	5P R OF	0 - 255	0
S008	5P G OF	0 - 255	0
S009	5P B OF	0 - 255	0
S010	HD75 R OF	0 - 255	0
S011	HD75 G OF	0 - 255	0
S012	HD75 B OF	0 - 255	0
S013	HD25 R OF	0 - 255	0
S014	HD25 G OF	0 - 255	0
S015	HD25 B OF	0 - 255	0
S016	HDMI5I R OF	0 - 255	0
S017	HDMI5I G OF	0 - 255	0
S018	HDMI5I B OF	0 - 255	0
S019	HDMI5P R OF	0 - 255	0
S020	HDMI5P G OF	0 - 255	0
S021	HDMI5P B OF	0 - 255	0
S022	HDMI75 R OF	0 - 255	0
S023	HDMI75 G OF	0 - 255	0
S024	HDMI75 B OF	0 - 255	0
S025	HDMI25 R OF	0 - 255	0
S026	HDMI25 G OF	0 - 255	0
S027	HDMI25 B OF	0 - 255	0
S028	HDMIPC R OF	0 - 255	0
S029	HDMIPC G OF	0 - 255	2
S030	HDMIPC B OF	0 - 255	0
S031	CVBS R DR	0 - 255	131
S032	CVBS G DR	0 - 255	146
S033	CVBS B DR	0 - 255	127
S034	5I R DR	0 - 255	0
S035	5I G DR	0 - 255	0
S036	5I B DR	0 - 255	0
S037	5P R DR	0 - 255	0
S038	5P G DR	0 - 255	0
S039	5P B DR	0 - 255	0
S040	HD75 R DR	0 - 255	0
S041	HD75 G DR	0 - 255	0
S042	HD75 B DR	0 - 255	0
S043	HD25 R DR	0 - 255	0
S044	HD25 G DR	0 - 255	0
S045	HD25 B DR	0 - 255	0
S046	HDMI5I R DR	0 - 255	0
S047	HDMI5I G DR	0 - 255	0
S048	HDMI5I B DR	0 - 255	0
S049	HDMI5P R DR	0 - 255	0
S050	HDMI5P G DR	0 - 255	0
S051	HDMI5P B DR	0 - 255	0
S052	HDMI75 R DR	0 - 255	0
S053	HDMI75 G DR	0 - 255	0
S054	HDMI75 B DR	0 - 255	0
S055	HDMI25 R DR	0 - 255	0
S056	HDMI25 G DR	0 - 255	0
S057	HDMI25 B DR	0 - 255	0
S058	HDMIPC R DR	0 - 255	0
S059	HDMIPC G DR	0 - 255	0
S060	HDMIPC B DR	0 - 255	0
S061	CVBS CL R OF	0 - 255	0
S062	CVBS CL G OF	0 - 255	0
S063	CVBS CL B OF	0 - 255	0
S064	CVBS WM R OF	0 - 255	0
S065	CVBS WM G OF	0 - 255	0
S066	CVBS WM B OF	0 - 255	0
S067	HD CL R OF	0 - 255	0
S068	HD CL G OF	0 - 255	0
S069	HD CL B OF	0 - 255	0
S070	HD WM R OF	0 - 255	0
S071	HD WM G OF	0 - 255	0
S072	HD WM B OF	0 - 255	0
S073	HDMI CL R OF	0 - 255	0
S074	HDMI CL G OF	0 - 255	0
S075	HDMI CL B OF	0 - 255	0
S076	HDMI WM R OF	0 - 255	0
S077	HDMI WM G OF	0 - 255	0
S078	HDMI WM B OF	0 - 255	0
S079	CVBS CL R DR	0 - 255	255
S080	CVBS CL G DR	0 - 255	0
S081	CVBS CL B DR	0 - 255	3
S082	CVBS WM R DR	0 - 255	8
S083	CVBS WM G DR	0 - 255	0
S084	CVBS WM B DR	0 - 255	242
S085	HD CL R DR	0 - 255	255
S086	HD CL G DR	0 - 255	0
S087	HD CL B DR	0 - 255	3

Item No.	Item name	Variable range	Setting value
S088	HD WM R DR	0 - 255	6
S089	HD WM G DR	0 - 255	0
S090	HD WM B DR	0 - 255	233
S091	HDMI CL R DR	0 - 255	255
S092	HDMI CL G DR	0 - 255	0
S093	HDMI CL B DR	0 - 255	3
S094	HDMI WM R DR	0 - 255	8
S095	HDMI WM G DR	0 - 255	0
S096	HDMI WM B DR	0 - 255	242

4.6.1.2 VIDEO SYSTEM SETTING-2

Item No.	Item name	Variable range	Setting value
D001	CVBS NTSC CON	0 - 255	0
D002	CVBS NTSC BRI	0 - 255	0
D003	CVBS NTSC SHA	0 - 255	0
D004	CVBS NTSC COL	0 - 255	0
D005	CVBS NTSC TIN	0 - 255	0
D006	CVBS PAL CON	0 - 255	0
D007	CVBS PAL BRI	0 - 255	0
D008	CVBS PAL SHA	0 - 255	0
D009	CVBS PAL COL	0 - 255	0
D010	CVBS PAL TIN	0 - 255	0
D011	CVBS SECAM CON	0 - 255	0
D012	CVBS SECAM BRI	0 - 255	0
D013	CVBS SECAML SHA	0 - 255	0
D014	CVBS SECAM COL	0 - 255	0
D015	CVBS SECAM TIN	0 - 255	0
D016	TV PAL CON	0 - 255	0
D017	TV PAL BRI	0 - 255	0
D018	TV PAL SHA	0 - 255	0
D019	TV PAL COL	0 - 255	0
D020	TV PAL TIN	0 - 255	0
D031	TV SECAM CON	0 - 255	0
D032	TV SECAM BRI	0 - 255	0
D033	TV SECAM SHA	0 - 255	0
D034	TV SECAM COL	0 - 255	0
D035	TV SECAM TIN	0 - 255	0
D036	5I S CON	0 - 255	0
D037	5I S BRI	0 - 255	0
D038	5I S SHA	0 - 255	0
D039	5I S COL	0 - 255	0
D040	5I S TIN	0 - 255	0
D041	5P S CON	0 - 255	0
D042	5P S BRI	0 - 255	0
D043	5P S SHA	0 - 255	0
D044	5P S COL	0 - 255	0
D045	5P S TIN	0 - 255	0
D046	HD75 S CON	0 - 255	0
D047	HD75 S BRI	0 - 255	0
D048	HD75 S SHA	0 - 255	0
D049	HD75 S COL	0 - 255	0
D050	HD75 S TIN	0 - 255	0
D051	HD25 S CON	0 - 255	0
D052	HD25 S BRI	0 - 255	0
D053	HD25 S SHA	0 - 255	0
D054	HD25 S COL	0 - 255	0
D055	HD25 S TIN	0 - 255	0
D056	HDMI5I S CON	0 - 255	0
D057	HDMI5I S BRI	0 - 255	0
D058	HDMI5I S SHA	0 - 255	0
D059	HDMI5I S COL	0 - 255	0
D060	HDMI5I S TIN	0 - 255	0
D061	HDMI5P S CON	0 - 255	0
D062	HDMI5P S BRI	0 - 255	0
D063	HDMI5P S SHA	0 - 255	0
D064	HDMI5P S COL	0 - 255	0
D065	HDMI5P S TIN	0 - 255	0
D066	HDMI75 S CON	0 - 255	0
D067	HDMI75 S BRI	0 - 255	0
D068	HDMI75 S SHA	0 - 255	0
D069	HDMI75 S COL	0 - 255	0
D070	HDMI75 S TIN	0 - 255	0
D071	HDMI25 S CON	0 - 255	0
D072	HDMI25 S BRI	0 - 255	0
D073	HDMI25 S SHA	0 - 255	0
D074	HDMI25 S COL	0 - 255	0
D075	HDMI25 S TIN	0 - 255	0
D076	HDMIPC S CON	0 - 255	0
D077	HDMIPC S BRI	0 - 255	0
D078	HDMIPC S SHA	0 - 255	0
D079	HDMIPC S COL	0 - 255	0
D080	HDMIPC S TIN	0 - 255	0
D081	STD BRI1	0 - 255	0
D082	STD CON	0 - 255	8
D083	STD BRI2	0 - 255	247
D084	STD SHA	0 - 255	20
D085	STD COL	0 - 255	245
D086	STD TIN	0 - 255	0
D087	SFT BRI1	0 - 255	245
D088	SFT CON	0 - 255	8
D089	SFT BRI2	0 - 255	249
D090	SFT SHA	0 - 255	20
D091	SFT COL	0 - 255	245
D092	SFT TIN	0 - 255	0
D093	BRI BRI1	0 - 255	10
D094	BRI CON	0 - 255	18
D095	BRI BRI2	0 - 255	249
D096	BRI SHA	0 - 255	25
D097	BRI COL	0 - 255	250

Item No.	Item name	Variable range	Setting value
D098	BRI TIN	0 - 255	0
D099	PWM	0 - 255	114

4.6.1.3 AUDIO SYSTEM SETTING-1

Item No.	Item name	Variable range	Setting value
A001	S BASS	0 - 255	114
A002	S TRE	0 - 255	114
A003	3D LEVEL	0 - 255	114

4.6.1.4 AUDIO SYSTEM SETTING-2

Item No.	Item name	Variable range	Setting value
SD10	S BASS	0 - 255	0
SD11	S TRE	0 - 255	0
SD12	3D LEVEL1	0 - 255	127
SD13	3D LEVEL2	0 - 255	53
SD14	3D LEVEL3	0 - 255	127
SD15	NICAM LEVEL	0 - 255	32

4.6.1.5 OPTION SETTING

Item No.	Item name	Variable range	Setting value
O001	G T	0 - 5	0
O002	D	0 - 2	0
O003	HPD SW	0 - 1	0
O004	HPD D	0 - 255	0

4.7 ADJUSTMENT PROCEDURE

4.7.1 VIDEO CIRCUIT

Item	Measuring instrument	Test point	Adjustment part	Description
WHITE BALANCE (HIGHLIGHT)	Remote control unit Signal generator		[1.ADJUST] S031: CVBS R DR (Red drive) S032: CVBS G DR (Green drive) S033: CVBS B DR (Blue drive)	(1) Receive a PAL 75% all white signal. (2) Set PICTURE MODE to **"STANDARD"**. (3) Set ZOOM to **"FULL"**. (4) Set COLOUR TEMP. to **"NORMAL"**. (5) Select **"1.ADJUST"** from the SERVICE MODE. (6) Adjust to Keep one of **<S031>** (Red drive), **<S032>** (Green drive) or **<S033>** (Blue drive) unchanged, then lower the other two so that the all-white screen is equally white throughout. **NOTE:** Set one or more of **<S031>**, **<S032>**, and **<S033>** to **"137"**. (7) Check that white balance is properly tracked from low light to high light. If the white balance tracking is deviated, adjust to correct it. (8) Press the **[MUTING]** key to memorize the set value.

SECTION 5
TROUBLESHOOTING

This service manual does not describe TROUBLESHOOTING.

JVC

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(No.YA492)

Printed in Japan
VPT

PARTS LIST

CAUTION

- The parts identified by the ⚠ symbol are important for the safety . Whenever replacing these parts, be sure to use specified ones to secure the safety.
- The parts not indicated in this Parts List and those which are filled with lines --- in the Parts No. columns will not be supplied.
- P.W. BOARD Ass'y will not be supplied, but those which are filled with the Parts No. in the Parts No. columns will be supplied.

ABBREVIATIONS OF RESISTORS, CAPACITORS AND TOLERANCES

RESISTORS	
CR	Carbon Resistor
FR	Fusible Resistor
PR	Plate Resistor
VR	Variable Resistor
HV R	High Voltage Resistor
MF R	Metal Film Resistor
MG R	Metal Glazed Resistor
MP R	Metal Plate Resistor
OM R	Metal Oxide Film Resistor
CMF R	Coating Metal Film Resistor
UNF R	Non-Flammable Resistor
CH V R	Chip Variable Resistor
CH MG R	Chip Metal Glazed Resistor
COMP. R	Composition Resistor
LPTC R	Linear Positive Temperature Coefficient Resistor

CAPACITORS	
C CAP.	Ceramic Capacitor
E CAP.	Electrolytic Capacitor
M CAP.	Mylar Capacitor
CH CAP.	Chip Capacitor
HV CAP.	High Voltage Capacitor
MF CAP.	Metalized Film Capacitor
MM CAP.	Metalized Mylar Capacitor
MP CAP.	Metalized Polystyrol Capacitor
PP CAP.	Polypropylene Capacitor
PS CAP.	Polystyrol Capacitor
TF CAP.	Thin Film Capacitor
MPP CAP.	Metalized Polypropylene Capacitor
TAN. CAP.	Tantalum Capacitor
CH C CAP.	Chip Ceramic Capacitor
BP E CAP.	Bi-Polar Electrolytic Capacitor
CH AL E CAP.	Chip Aluminum Electrolytic Capacitor
CH AL BP CAP.	Chip Aluminum Bi-Polar Capacitor
CH TAN. E CAP.	Chip Tantalum Electrolytic Capacitor
CH AL BP E CAP.	Chip Tantalum Bi-Polar Electrolytic Capacitor

RESISTORS									
F	G	J	K	M	N	R	H	Z	P
±1%	±2%	±5%	±10%	±20%	±30%	+30% -10%	+50% -10%	+80% -20%	+100% -0%

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USING P.W. BOARD & REMOTE CONTROL UNIT

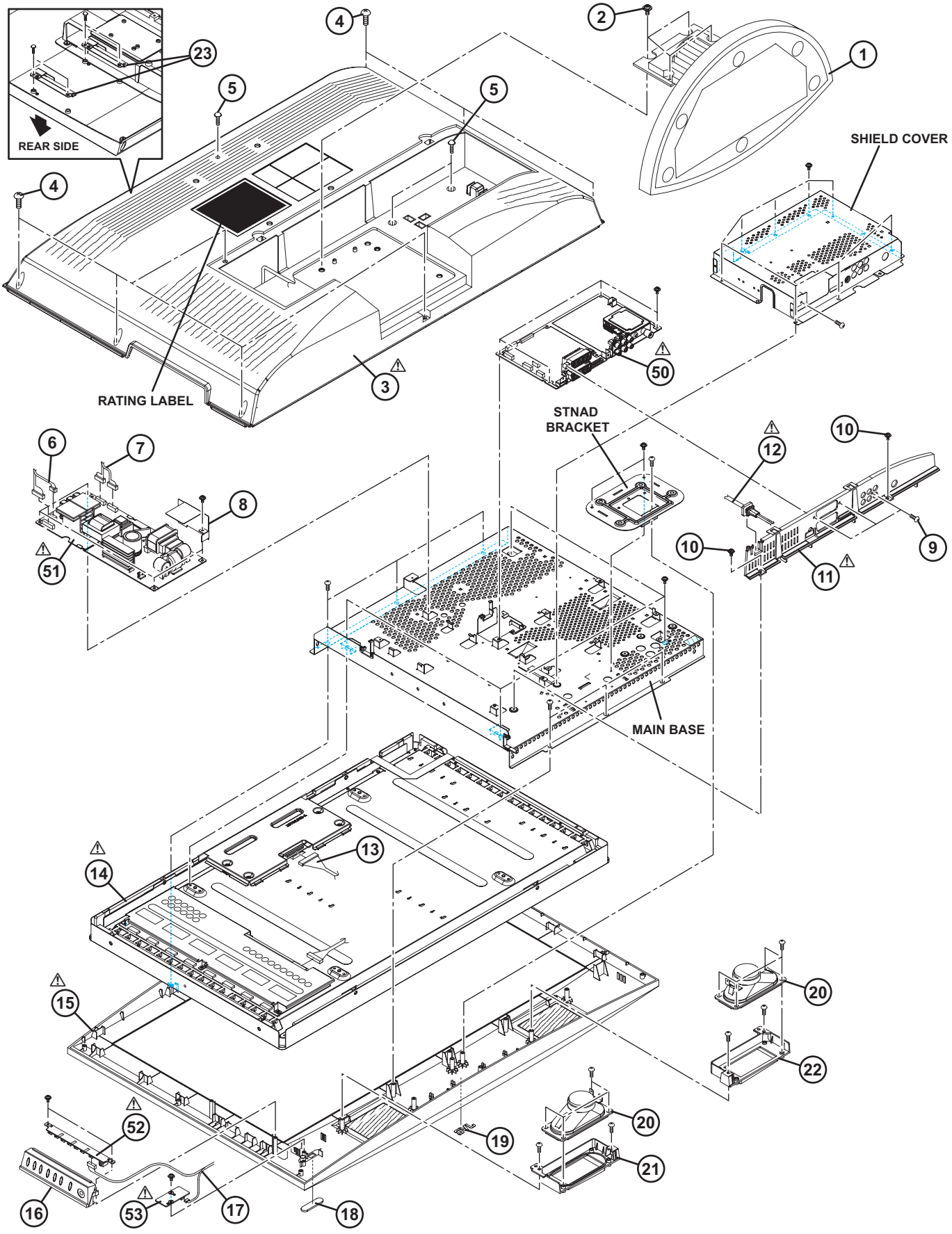
P.W.B ASS'Y name	P.W.B ASS'Y No.			
	LT-26A70BJ	LT-26A70BU	LT-26A70SJ	LT-26A70SU
MAIN P.W.B	SFT-1051A-U2	←	←	←
CONTROL P.W.B	SFT-7251A-U2	←	←	←
IR P.W.B	SFT-8951A-U2	←	←	←
POWER P.W.B	SFT-9051A-U2	←	←	←
REMOTE CONTROL UNIT	RM-C1816S-2C	←	←	←

P.W.B ASS'Y name	P.W.B ASS'Y No.				
	LT-32A70BJ	LT-32A70BU	LT-32A70GU	LT-32A70SJ	LT-32A70SU
MAIN P.W.B	SFT-1052A-U2	←	←	←	←
CONTROL P.W.B	SFT-7251A-U2	←	←	←	←
IR P.W.B	SFT-8951A-U2	←	←	←	←
POWER P.W.B	SFT-9051A-U2	←	←	←	←
REMOTE CONTROL UNIT	RM-C1816S-2C	←	←	←	←

EXPLODED VIEW PARTS LIST

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	GA10276-002A-U	STAND ASSY		LT-26A70BJ,LT-26A70BU,LT-32A70BJ,LT-32A70BU
	1	GA10276-001A-U	STAND ASSY		LT-26A70SJ,LT-26A70SU,LT-32A70SJ,LT-32A70SU
	1	GA10176-003A-U	STAND ASSY		LT-32A70GU
	2	QYSPSPD5020ZA	SCREW	M5 x 20mm(x4)	
⚠	3	LC12341-008A-U	REAR COVER		LT-26A70BJ,LT-26A70BU,LT-26A70SJ,LT-26A70SU
⚠	3	LC12396-008A-U	REAR COVER		LT-32A70BJ,LT-32A70BU,LT-32A70GU,LT-32A70SJ,LT-32A70SU
	4	QYSBSF4012ZA	TAP SCREW	M4 x 12mm(x8)	
	5	LC42446-001A	SCREW	(x3)	
	6	WJZ0247-001A-E	E-HARNESS ASSY	POWER P/W-LCD PANEL UNIT	LT-26A70BJ,LT-26A70BU,LT-26A70SJ,LT-26A70SU
	6	WJZ0248-001A-E	E-HARNESS ASSY	POWER P/W-LCD PANEL UNIT	LT-32A70BJ,LT-32A70BU,LT-32A70GU,LT-32A70SJ,LT-32A70SU
	7	WJZ0249-001A-E	E-HARNESS ASSY	POWER A/F-MAIN CN00A/CN00F	
	8	LC33650-001A-HK	INSULATOR		
	9	QYSBSF3010ZA	TAP SCREW	M3 x 10mm(x3)	
	10	LC42446-001A	SCREW	(x2)	
⚠	11	LC13020-002A-U	TERMINAL BASE		
⚠	12	QMPN370-170-JC	POWER CORD(EK)	1.7m BLACK	LT-26A70BJ,LT-26A70SJ,LT-32A70BJ,LT-32A70SJ
⚠	12	QMPK450-170-JC	POWER CORD(EU)	1.7m BLACK	LT-26A70BU,LT-26A70SU,LT-32A70BU,LT-32A70GU,LT-32A70SU
	13	WJW0056-001A-E	DIGITAL(LVDS) CABLE	LCD PANEL UNIT-MAIN CN0LV2	LT-26A70BJ,LT-26A70BU,LT-26A70SJ,LT-26A70SU
	13	WJW0056-002A-E	DIGITAL(LVDS) CABLE	LCD PANEL UNIT-MAIN CN0LV2	LT-32A70BJ,LT-32A70BU,LT-32A70GU,LT-32A70SJ,LT-32A70SU
⚠	14	QLD0443-001-JUK	LCD PANEL UNIT		LT-26A70BJ,LT-26A70BU,LT-26A70SJ,LT-26A70SU
⚠	14	QLD0444-001-JUK	LCD PANEL UNIT		LT-32A70BJ,LT-32A70BU,LT-32A70GU,LT-32A70SJ,LT-32A70SU
⚠	15	LC12340-006B-U	FRONT PANEL		LT-26A70BJ
⚠	15	LC12340-006A-U	FRONT PANEL		LT-26A70BU
⚠	15	LC12340-005B-U	FRONT PANEL		LT-26A70SJ
⚠	15	LC12340-005A-U	FRONT PANEL		LT-26A70SU
⚠	15	LC12395-006B-U	FRONT PANEL		LT-32A70BJ
⚠	15	LC12395-006A-U	FRONT PANEL		LT-32A70BU
⚠	15	LC12395-007B-U	FRONT PANEL		LT-32A70GU
⚠	15	LC12395-005B-U	FRONT PANEL		LT-32A70SJ
⚠	15	LC12395-005A-U	FRONT PANEL		LT-32A70SU
	16	LC12467-004A-U	KNOB ASSY		LT-26A70BJ,LT-26A70SJ,LT-32A70BJ,LT-32A70GU,LT-32A70SJ
	16	LC12467-003A-U	KNOB ASSY		LT-26A70BU,LT-26A70SU,LT-32A70BU,LT-32A70SU
	17	WJZ0250-001A-E	E-HARNESS ASSY	CONTROL R/IR U-MAIN CN00R/CN00U	
	18	LC42247-007A	LED PLATE		
	19	LC41852-001B	JVC MARK ASSY		
	20	QAS0489-001	SPEAKER	(x2)	
	21	LC22243-001A-U	SPEAKER HOLDER		
	22	LC22243-002A-U	SPEAKER HOLDER		
	23	LC33649-001A-JK	BACK BRACKET	(x2)	
⚠	50	SFT-1051A-U2	MAIN PWB		LT-26A70BJ,LT-26A70BU,LT-26A70SJ,LT-26A70SU
⚠	50	SFT-1052A-U2	MAIN PWB		LT-32A70BJ,LT-32A70BU,LT-32A70GU,LT-32A70SJ,LT-32A70SU
⚠	51	SFT-9051A-U2	POWER PWB		
⚠	52	SFT-7251A-U2	CONTROL PWB		
⚠	53	SFT-8951A-U2	IR PWB		

EXPLODED VIEW



PRINTED WIRING BOARD PARTS LIST [LT-26A70BJ, LT-26A70BU, LT-26A70SJ, LT-26A70SU]

MAIN P.W. BOARD ASS'Y (SFT-1051A-U2)

⚠Ref No.	Part No.	Part Name	Description Local
IC2	EDD1232AABH-6B	IC	
IC3	M30620SPGP-U5C	IC(MCU)	
IC5	39VF16827CEKD03	IC(MICRO C ROM)	
IC6	S-80829CNNB-G-W	IC	
IC7	ATE64-26A70BJ	IC	(SERVICE)
IC8	ATF02-26A70BJ	IC	(SERVICE)
IC9	BA7657F-X	IC	
IC11	MSP3410GQAB8V3	IC	
IC13	BH3547F-X	IC	
IC14	MP2363DN-X	IC	
IC15	MM1661JH-X	IC	
IC16	MM1663DH-X	IC	
IC17	MM1663DH-X	IC	
IC18	PQ025EN02Z-X	IC	
IC19	MM1663DH-X	IC	
IC20	BA80BC0FP-X	IC	
IC21	UDA1334BT/N2-X	Z DIODE	
IC22	MP2363DN-X	IC	
IC23	MP2363DN-X	IC	
IC601	TPA3100D2PHP-W	IC	
Q1	SSM3K17FU-X	MOS FET	
Q2	RT1N441C-X	TRANSISTOR	
Q3	RT1N441C-X	TRANSISTOR	
Q4	2SK1228-X	MOS FET	
Q5	2SK1228-X	MOS FET	
Q6	SSM3K17FU-X	MOS FET	
Q7	SSM3K17FU-X	MOS FET	
Q8	RT1N441C-X	TRANSISTOR	
Q9	2SC3928A/QR/-X	TRANSISTOR	
Q10	2SC3928A/QR/-X	TRANSISTOR	
Q11	2SC3928A/QR/-X	TRANSISTOR	
Q12	2SC3928A/QR/-X	TRANSISTOR	
Q13	2SC3928A/QR/-X	TRANSISTOR	
Q14	2SC3928A/QR/-X	TRANSISTOR	
Q15	2SC3928A/QR/-X	TRANSISTOR	
Q16	2SC3928A/QR/-X	TRANSISTOR	
Q17	2SC3928A/QR/-X	TRANSISTOR	
Q18	2SC3928A/QR/-X	TRANSISTOR	
Q21	RT1N140C-X	DIGI TRANSISTOR	
Q22	2SA1530A/QR/-X	TRANSISTOR	
Q26	2SC3928A/QR/-X	TRANSISTOR	
Q27	2SC3928A/QR/-X	TRANSISTOR	
Q28	2SC3928A/QR/-X	TRANSISTOR	
Q29	RT1P441C-X	DIGI TRANSISTOR	
Q30	SSM3K17FU-X	MOS FET	
Q31	RT4N430C-X	DIGI TRANSISTOR	
Q32	RT4N430C-X	DIGI TRANSISTOR	
Q33	2SA1530A/QR/-X	TRANSISTOR	
Q34	RT4N430C-X	DIGI TRANSISTOR	
Q35	RT4N430C-X	DIGI TRANSISTOR	
Q36	2SA1530A/QR/-X	TRANSISTOR	
Q37	2SA1530A/QR/-X	TRANSISTOR	
Q38	RT1N430C-X	TRANSISTOR	
Q39	2SA1530A/QR/-X	TRANSISTOR	
Q603	2SC3928A/QR/-X	TRANSISTOR	
Q604	2SC3928A/QR/-X	TRANSISTOR	
Q605	2SC3928A/QR/-X	TRANSISTOR	
Q607	2SA1530A/QR/-X	TRANSISTOR	
D1	1SS355W-X	DIODE	
D2	UDZW4.7B-X	Z DIODE	
D3	UDZW4.7B-X	Z DIODE	
D4	UDZW4.7B-X	Z DIODE	
D5	UDZW4.7B-X	Z DIODE	
D6	UDZW8.2B-X	Z DIODE	
D7	UDZW8.2B-X	Z DIODE	
D8	UDZW4.7B-X	Z DIODE	
D9	UDZW4.7B-X	Z DIODE	
D10	UDZW10B-X	Z DIODE	
D11	UDZW5.6B-X	Z DIODE	
D12	UDZW5.6B-X	Z DIODE	
D13	UDZW5.6B-X	Z DIODE	
D14	UDZW8.2B-X	Z DIODE	
D15	UDZW8.2B-X	Z DIODE	
D16	UDZW4.7B-X	Z DIODE	
D17	UDZW4.7B-X	Z DIODE	
D18	UDZW10B-X	Z DIODE	
D19	UDZW5.6B-X	Z DIODE	
D20	UDZW5.6B-X	Z DIODE	
D21	UDZW5.6B-X	Z DIODE	
D22	UDZW8.2B-X	Z DIODE	
D23	UDZW8.2B-X	Z DIODE	
D24	UDZW8.2B-X	Z DIODE	
D25	UDZW8.2B-X	Z DIODE	
D26	UDZW8.2B-X	Z DIODE	
D27	UDZW8.2B-X	Z DIODE	
D28	UDZW5.6B-X	Z DIODE	
D29	UDZW5.6B-X	Z DIODE	
D30	UDZW4.7B-X	Z DIODE	
D31	UDZW4.7B-X	Z DIODE	
D32	UDZW5.6B-X	Z DIODE	
D42	1SS355W-X	DIODE	
D43	1SS355W-X	DIODE	
D44	1SS355W-X	DIODE	
D45	EC31QS04-X	SB DIODE	
D50	1SS355W-X	DIODE	
D53	EC31QS04-X	SB DIODE	
D54	RB501V-40-X	SB DIODE	
D55	1SS355W-X	DIODE	
D56	1SS355W-X	DIODE	
D58	EC31QS04-X	SB DIODE	
D59	EC31QS04-X	SB DIODE	
D60	RB501V-40-X	SB DIODE	
D63	1SS355W-X	DIODE	
D65	EC21QS10-X	SB DIODE	
D66	EC21QS10-X	SB DIODE	
D301	1SS355W-X	DIODE	
D302	1SS355W-X	DIODE	
D303	1SS355W-X	DIODE	
D601	1SS355W-X	DIODE	
D602	1SS355W-X	DIODE	
D603	1SS355W-X	DIODE	
D604	1SS355W-X	DIODE	
C1	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J
C2	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J
C9	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C10	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C11	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C12	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C14	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C15	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C16	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C17	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C18	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C19	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C20	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C21	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C22	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C23	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C24	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C25	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C26	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C27	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C28	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C29	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C30	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C31	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C32	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C33	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C34	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C35	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C36	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C37	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C38	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C39	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C40	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C41	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C42	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C43	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C44	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C45	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C46	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C47	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C48	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C49	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C50	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C51	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C52	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C53	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C54	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C55	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C56	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C58	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C59	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C60	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C61	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C62	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C63	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C64	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C65	NCB31CK-104X	C CAPACITOR	0.1uF 16V K

⚠Ref No.	Part No.	Part Name	Description Local
C66	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C67	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C68	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C69	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C70	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C71	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C72	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C73	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C74	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C75	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C76	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C77	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C78	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C79	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C80	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C81	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C85	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C86	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C87	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C88	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C89	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C90	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C91	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C92	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C94	NEHL1HM-106X	E CAPACITOR	10uF 50V M
C96	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C97	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C98	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C99	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C100	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C101	NBE21AM-226X	TA E CAPACITOR	22uF 10V M
C102	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C103	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C104	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C105	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C106	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C107	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C109	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C110	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C111	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C112	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C113	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C114	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C115	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C116	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C117	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C118	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C119	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C120	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C121	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C122	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C123	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C124	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C125	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C126	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C127	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C128	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C129	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C130	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C131	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C132	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C133	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C134	NCB31CK-105X	C CAPACITOR	1uF 16V K
C136	NCB31CK-105X	C CAPACITOR	1uF 16V K
C137	NCB31CK-105X	C CAPACITOR	1uF 16V K
C138	NCB31CK-105X	C CAPACITOR	1uF 16V K
C139	NCB31CK-105X	C CAPACITOR	1uF 16V K
C140	NCB31CK-105X	C CAPACITOR	1uF 16V K
C141	NCB31CK-105X	C CAPACITOR	1uF 16V K
C142	NCB31CK-105X	C CAPACITOR	1uF 16V K
C143	NCB31CK-105X	C CAPACITOR	1uF 16V K
C144	NCB31CK-105X	C CAPACITOR	1uF 16V K
C145	NCB31CK-105X	C CAPACITOR	1uF 16V K
C146	NCB31AK-105X	C CAPACITOR	1uF 10V K
C147	NCB31AK-105X	C CAPACITOR	1uF 10V K
C148	NEAF1CM-107X	E CAPACITOR	100uF 16V M
C149	NEAF1CM-107X	E CAPACITOR	100uF 16V M
C150	NEAF1CM-107X	E CAPACITOR	100uF 16V M
C151	NEHL0GM-227X	E CAPACITOR	220uF 4V M
C152	NEHL0GM-227X	E CAPACITOR	220uF 4V M
C153	NEAF1CM-107X	E CAPACITOR	100uF 16V M
C156	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C157	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C158	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C159	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C160	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C161	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C162	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C163	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C164	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C165	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C166	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C167	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C168	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C169	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C170	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C171	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C172	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C173	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C174	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C175	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C176	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C178	NCB31HK-272X	C CAPACITOR	2700pF 50V K
C179	NCB31HK-272X	C CAPACITOR	2700pF 50V K
C180	NCB31CK-472X	C CAPACITOR	4700pF 16V K
C181	NCB31CK-472X	C CAPACITOR	4700pF 16V K
C182	NCB31CK-472X	C CAPACITOR	4700pF 16V K
C183	NCB31CK-472X	C CAPACITOR	4700pF 16V K
C184	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C185	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C186	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C187	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C188	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C189	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C190	NCB31CK-102X	C CAPACITOR	1000pF 16V K
C191	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C192	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C193	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C194	NEAF1CM-106X	E CAPACITOR	10uF 16V M
C195	NEAF1CM-106X	E CAPACITOR	10uF 16V M
C196	NEAF1CM-106X	E CAPACITOR	10uF 16V M
C197	NEAF1CM-106X	E CAPACITOR	10uF 16V M
C198	NCB31CK-105X	C CAPACITOR	1uF 16V K
C199	NCB31CK-105X	C CAPACITOR	1uF 16V K
C200	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C201	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C202	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C203	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C204	NEAF1CM-106X	E CAPACITOR	10uF 16V M
C205	NEAF1CM-106X	E CAPACITOR	10uF 16V M
C206	NEAF1CM-106X	E CAPACITOR	10uF 16V M
C207	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C208	NCB31HK-471X	C CAPACITOR	470pF 50V K
C209	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C210	NCB31HK-471X	C CAPACITOR	470pF 50V K
C212	NCB31HK-471X	C CAPACITOR	470pF 50V K
C213	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C214	NCB31HK-471X	C CAPACITOR	470pF 50V K
C215	NCB31HK-471X	C CAPACITOR	470pF 50V K
C216	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C217	NCB31HK-471X	C CAPACITOR	470pF 50V K
C218	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C219	NCB31HK-471X	C CAPACITOR	470pF 50V K
C221	NCB31HK-471X	C CAPACITOR	470pF 50V K
C222	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C223	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C224	NCB31HK-471X	C CAPACITOR	470pF 50V K
C228	NCB31HK-331X	C CAPACITOR	330pF 50V K
C229	NCB31HK-331X	C CAPACITOR	330pF 50V K
C230	NCB31HK-331X	C CAPACITOR	330pF 50V K
C231	NCB31HK-331X	C CAPACITOR	330pF 50V K
C232	QEKC1CM-227Z	E CAPACITOR	220uF 16V M
C233	QEKC1CM-227Z	E CAPACITOR	220uF 16V M
C234	NEAF1CM-476X	E CAPACITOR	47uF 16V M
C235	NEAF1CM-476X	E CAPACITOR	47uF 16V M
C236	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C237	NCB31EK-562X	C CAPACITOR	5600pF 25V K
C238	NEAF1CM-107X	E CAPACITOR	100uF 16V M
C239	NCB31CK-105X	C CAPACITOR	1uF 16V K
C240	NCB31CK-105X	C CAPACITOR	1uF 16V K
C241	NCB31CK-105X	C CAPACITOR	1uF 16V K
C245	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C246	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C248	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C249	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C250	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C251	NCB31CK-105X	C CAPACITOR	1uF 16V K
C252	NDC31HJ-180X	C CAPACITOR	18pF 50V J
C255	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C256	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C257	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C258	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C259	NDC31HJ-1R0X	C CAPACITOR	1pF 50V J
C260	NDC31HJ-1R0X	C CAPACITOR	1pF 50V J
C261	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C262	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C263	NCB31EK-682X	C CAPACITOR	6800pF 25V K
C264	NCB31EK-682X	C CAPACITOR	6800pF 25V K
C265	NCB31HK-392X	C CAPACITOR	3900pF 50V K
C266	NCB31HK-392X	C CAPACITOR	3900pF 50V K

⚠Ref No.	Part No.	Part Name	Description Local
C272	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C273	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C274	NCB31AK-105X	C CAPACITOR	1uF 10V K
C275	NCB31AK-105X	C CAPACITOR	1uF 10V K
C276	NCB31AK-105X	C CAPACITOR	1uF 10V K
C277	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C278	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C279	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C280	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M
C281	NEX50JM-476X	E CAPACITOR	47uF 6.3V M
C282	NCB31AK-105X	C CAPACITOR	1uF 10V K
C283	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M
C284	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M
C285	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C286	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M
C287	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C288	NEHM1CM-476X	E CAPACITOR	47uF 16V M
C289	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C290	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C291	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C292	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C293	NCB31CK-105X	C CAPACITOR	1uF 16V K
C296	NCB31HK-471X	C CAPACITOR	470pF 50V K
C297	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C298	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C299	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C300	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C301	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C302	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C303	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C304	NCB31HK-821X	C CAPACITOR	820pF 50V K
C305	NEHL1HM-106X	E CAPACITOR	10uF 50V M
C306	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C307	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C308	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C309	NBXJ0JM-106X	TA E CAPACITOR	10uF 6.3V M
C310	NBXJ0JM-106X	TA E CAPACITOR	10uF 6.3V M
C311	NBXJ0JM-106X	TA E CAPACITOR	10uF 6.3V M
C312	NCB31CK-105X	C CAPACITOR	1uF 16V K
C313	NCB31CK-105X	C CAPACITOR	1uF 16V K
C315	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C317	NCB31HK-272X	C CAPACITOR	2700pF 50V K
C319	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C321	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C322	NCB31HK-471X	C CAPACITOR	470pF 50V K
C327	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C328	NCB31EK-562X	C CAPACITOR	5600pF 25V K
C329	NCB31EK-562X	C CAPACITOR	5600pF 25V K
C330	QEX61FM-475Z	E CAPACITOR	4.7uF 30V M
C331	NEX51DM-226X	E CAPACITOR	22uF 20V M
C332	NBE21AM-226X	TA E CAPACITOR	22uF 10V M
C333	NBE21AM-226X	TA E CAPACITOR	22uF 10V M
C334	NCB31HK-471X	C CAPACITOR	470pF 50V K
C335	NCB31HK-471X	C CAPACITOR	470pF 50V K
C336	NCB31HK-471X	C CAPACITOR	470pF 50V K
C337	NEAF1CM-476X	E CAPACITOR	47uF 16V M
C338	NCB31AK-105X	C CAPACITOR	1uF 10V K
C339	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C340	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C342	NEAF1CM-107X	E CAPACITOR	100uF 16V M
C601	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C602	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C603	NCB31CK-105X	C CAPACITOR	1uF 16V K
C604	NCB31CK-105X	C CAPACITOR	1uF 16V K
C605	NCB31CK-105X	C CAPACITOR	1uF 16V K
C606	NCB31CK-105X	C CAPACITOR	1uF 16V K
C607	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C608	NCB31CK-105X	C CAPACITOR	1uF 16V K
C609	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C610	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C611	NCB21EK-334X	C CAPACITOR	0.33uF 25V K
C612	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C613	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C614	NCB11EK-105X	C CAPACITOR	1uF 25V K
C615	QEKC1CM-227Z	E CAPACITOR	220uF 16V M
C616	NCB31CK-105X	C CAPACITOR	1uF 16V K
C617	NCB31CK-105X	C CAPACITOR	1uF 16V K
C618	QEKC1CM-227Z	E CAPACITOR	220uF 16V M
C619	NCB11EK-105X	C CAPACITOR	1uF 25V K
C620	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C621	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C622	NCB21EK-334X	C CAPACITOR	0.33uF 25V K
C623	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C624	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C625	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C626	QETN1EM-226Z	E CAPACITOR	22uF 25V M
C627	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C753	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C754	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C755	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C756	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C757	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C758	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C759	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C760	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C761	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C762	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
R1	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R8	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R9	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R10	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R14	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R15	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R16	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R17	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R18	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R19	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R20	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R21	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R23	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R27	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R28	NRSA63F-103X	MG RESISTOR	10kΩ 1/16W F
R29	NRSA63F-103X	MG RESISTOR	10kΩ 1/16W F
R35	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R36	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R38	NRSA63F-103X	MG RESISTOR	10kΩ 1/16W F
R39	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R41	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R43	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R44	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R45	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R46	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R47	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R48	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R49	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R50	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R51	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R52	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R53	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R56	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R57	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R58	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R59	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R61	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R62	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R63	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R64	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D
R65	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D
R66	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R67	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R68	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R69	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R70	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R71	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R72	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R73	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R74	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R75	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R76	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R77	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R78	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R79	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R80	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R81	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R82	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R83	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R88	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R89	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R90	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R94	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R95	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R96	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R97	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R98	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R99	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R100	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R102	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R103	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R104	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R105	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R106	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R108	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R109	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R110	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R111	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R112	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R113	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R114	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R115	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R116	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R117	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R118	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R119	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R120	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R121	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R122	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R123	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R124	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R125	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R126	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R127	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R128	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R129	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R131	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R132	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R133	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R136	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J
R137	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J
R138	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R139	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R140	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R143	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R144	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R145	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R146	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R147	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R148	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R150	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R151	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R158	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R159	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R160	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R162	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R163	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R164	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R165	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R167	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R168	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R169	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R170	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R171	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R172	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R173	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R174	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R178	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J
R179	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J
R180	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R181	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R182	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J
R183	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J
R184	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R185	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R186	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J
R187	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J
R188	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J
R189	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R190	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R191	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R192	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R193	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R194	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R195	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R196	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R197	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R198	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R199	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R200	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R201	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R202	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R204	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R205	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R207	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R208	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R210	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R211	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R212	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R213	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R214	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R216	NRSA63F-393X	MG RESISTOR	39kΩ 1/16W F
R217	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R218	NRSA63F-393X	MG RESISTOR	39kΩ 1/16W F
R219	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R220	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R221	NRSA63F-562X	MG RESISTOR	5.6kΩ 1/16W F
R222	NRSA63F-562X	MG RESISTOR	5.6kΩ 1/16W F
R224	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R225	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R226	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R227	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R228	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R231	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R232	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R233	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R234	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R235	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R236	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R237	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R239	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R240	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R241	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R242	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R245	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R246	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R247	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R248	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R249	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R250	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R252	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R254	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R255	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R257	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R258	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R259	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R260	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R261	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R262	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R263	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R264	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R265	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R266	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R267	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R268	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R269	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R270	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R271	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R272	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R273	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R274	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R275	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R277	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J
R279	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R282	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R283	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J
R284	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R285	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R286	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R287	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R288	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J
R289	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R290	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J
R292	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R293	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R296	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R297	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J
R302	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R303	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J
R308	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R310	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J
R312	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R313	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
R314	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R315	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R316	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J
R317	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J
R318	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R319	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R320	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R321	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R322	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R323	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R324	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R326	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J
R327	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R328	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R329	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R330	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R331	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R332	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R333	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R334	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J

⚠Ref No.	Part No.	Part Name	Description Local
R335	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R336	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R337	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R338	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R339	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R340	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R341	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R342	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R343	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R344	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R602	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R603	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R604	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R607	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R608	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R609	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R610	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R611	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R612	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R613	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R614	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R615	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R616	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R618	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R626	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
RA92	NRZ0065-101X	NET RESISTOR	100Ω 1/16W J
RA93	NRZ0065-101X	NET RESISTOR	100Ω 1/16W J
RA166	NRZ0052-150W	NET RESISTOR	15Ω 1/32W J
RA167	NRZ0052-150W	NET RESISTOR	15Ω 1/32W J
RA168	NRZ0052-150W	NET RESISTOR	15Ω 1/32W J
RA169	NRZ0052-330W	NET RESISTOR	33Ω 1/32W J
RA170	NRZ0052-150W	NET RESISTOR	15Ω 1/32W J
RA171	NRZ0052-330W	NET RESISTOR	33Ω 1/32W J
RA172	NRZ0052-150W	NET RESISTOR	15Ω 1/32W J
RA173	NRZ0052-150W	NET RESISTOR	15Ω 1/32W J
RA174	NRZ0052-150W	NET RESISTOR	15Ω 1/32W J
RA175	NRZ0052-150W	NET RESISTOR	15Ω 1/32W J
RA176	NRZ0052-150W	NET RESISTOR	15Ω 1/32W J
RA177	NRZ0052-150W	NET RESISTOR	15Ω 1/32W J
RA253	NRZ0065-101X	NET RESISTOR	100Ω 1/16W J
RA254	NRZ0065-101X	NET RESISTOR	100Ω 1/16W J
L1	NQR0383-002X	CHOKE COIL	
L2	NQR0383-002X	CHOKE COIL	
L3	NQR0383-002X	CHOKE COIL	
L4	NQR0383-002X	CHOKE COIL	
L5	NQR0383-002X	CHOKE COIL	
L7	NQL382M-2R2X	COIL	2.2uH M
L8	NQL382M-2R2X	COIL	2.2uH M
L9	NQL382M-2R2X	COIL	2.2uH M
L10	NQL382M-2R2X	COIL	2.2uH M
L11	NQL382M-2R2X	COIL	2.2uH M
L12	NQL382M-2R2X	COIL	2.2uH M
L13	NQLE82M-1R0X	COIL	1uH M
L14	NQLE82M-100X	COIL	10uH M
L15	NQLE82M-100X	COIL	10uH M
L16	NQLE82M-100X	COIL	10uH M
L17	NQLE82M-100X	COIL	10uH M
L18	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L19	NQL953J-3R3X	COIL	3.3uH J
L20	NQL953J-3R3X	COIL	3.3uH J
L21	NQL953J-3R3X	COIL	3.3uH J
L22	NQL953J-3R3X	COIL	3.3uH J
L23	NQL953J-3R3X	COIL	3.3uH J
L24	NQL953J-3R3X	COIL	3.3uH J
L25	NQL953J-3R3X	COIL	3.3uH J
L26	NQL953J-3R3X	COIL	3.3uH J
L27	NQL953J-3R3X	COIL	3.3uH J
L28	NQL953J-3R3X	COIL	3.3uH J
L32	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L33	NQL71EM-150X	COIL	15uH M
L36	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L37	NQL093M-220X	COIL	22uH M
L38	NQL093M-180X	COIL	18uH M
L39	NQLE82M-100X	COIL	10uH M
L40	NQL71EM-150X	COIL	15uH M
L41	NQL71EM-150X	COIL	15uH M
L601	NQLF3EM-330X	COIL	33uH M
L602	NQLF3EM-330X	COIL	33uH M
L603	NQLF3EM-330X	COIL	33uH M
L604	NQLF3EM-330X	COIL	33uH M
FB1	NQR0155-003X	FERRITE CORE	
FB2	NQR0155-003X	FERRITE CORE	
FB3	NQR0155-003X	FERRITE CORE	
FB4	NQR0155-003X	FERRITE CORE	
FB5	NQR0155-003X	FERRITE CORE	
FB6	NQR0155-003X	FERRITE CORE	
FB7	NQR0155-003X	FERRITE CORE	
FB8	NQR0155-003X	FERRITE CORE	
FB10	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
FB12	NQR0155-003X	FERRITE CORE	
FB13	NQR0413-002X	FERRITE BEADS	
FB14	NQR0413-003X	FERRITE BEADS	
FB15	NQR0413-003X	FERRITE BEADS	
FB16	NQR0413-003X	FERRITE BEADS	
FB17	NQR0413-003X	FERRITE BEADS	
FB18	NQR0413-003X	FERRITE BEADS	
FB19	NQR0155-003X	FERRITE CORE	
FB20	NQR0155-003X	FERRITE CORE	
FB21	NQR0155-003X	FERRITE CORE	
FB22	NQR0155-003X	FERRITE CORE	
FB23	NQR0155-003X	FERRITE CORE	
FB24	NQR0155-003X	FERRITE CORE	
FB25	NQR0413-002X	FERRITE BEADS	
FB26	NQR0413-003X	FERRITE BEADS	
FB27	NQR0413-003X	FERRITE BEADS	
FB28	NQR0413-003X	FERRITE BEADS	
FB29	NQR0413-003X	FERRITE BEADS	
FB30	NQR0413-003X	FERRITE BEADS	
FB31	NQR0155-003X	FERRITE CORE	
FB32	NQR0413-003X	FERRITE BEADS	
FB33	NQR0413-003X	FERRITE BEADS	
FB34	NQR0413-003X	FERRITE BEADS	
FB35	NQR0413-003X	FERRITE BEADS	
FB36	NQR0413-003X	FERRITE BEADS	
FB37	NQR0413-003X	FERRITE BEADS	
FB38	NQR0155-003X	FERRITE CORE	
FB39	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
FB40	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
FB41	NQR0155-003X	FERRITE CORE	
FB43	NQR0413-003X	FERRITE BEADS	
FB44	NQR0413-003X	FERRITE BEADS	
FB45	NQR0413-003X	FERRITE BEADS	
FB46	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
FB50	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
FB52	NQR0413-003X	FERRITE BEADS	
FB54	NQR0599-004X	FERRITE BEADS	
FB55	NQR0599-004X	FERRITE BEADS	
FB61	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
FB62	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
FB63	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
FB64	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
FB65	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
J1	QNZ0465-001	21P CONNECTOR	EXT-1/EXT-2
J3	QNN0798-001	PIN JACK	EXT-3/EXT-4
J5	NNZ0117-001	CONNECTOR	DIGITAL IN
TU1	QAU0488-001	TUNER	
X1	NAX0920-001X	CRYSTAL	28.322000MHz
X2	QAX0532-001	CRYSTAL	10.000MHz
X3	QAX0918-001Z	CRYSTAL	18.432MHz

CONTROL P.W. BOARD ASS'Y (SFT-7251A-U2)

⚠Ref No.	Part No.	Part Name	Description Local
D7001	UDZW5.6B-X	Z DIODE	
D7002	UDZW5.6B-X	Z DIODE	
D7003	UDZW5.6B-X	Z DIODE	
C7001	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C7002	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
R7001	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R7002	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R7003	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R7004	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J
R7005	NRSA63J-122X	MG RESISTOR	1.2kΩ 1/16W J
R7006	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J
J7001	QNS0097-001	HEADPHONE JACK	HEADPHONE
K7008	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
S7001	QSW1131-001Z	TACT SWITCH	POWER
S7002	QSW1131-001Z	TACT SWITCH	TV/AV
S7003	QSW1131-001Z	TACT SWITCH	MENU/OK
S7004	QSW1131-001Z	TACT SWITCH	VOL+
S7005	QSW1131-001Z	TACT SWITCH	VOL-
S7006	QSW1131-001Z	TACT SWITCH	CH+
S7007	QSW1131-001Z	TACT SWITCH	CH-

IR P.W. BOARD ASS'Y (SFT-8951A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC8001	KSM-2013TC2EL	IR DETECT UNIT		
Q8001	2SC3928A/QR/-X	TRANSISTOR		
D8001	HLMP-NS30-J0000	LED	POWER	
D8002	UDZW5.6B-X	Z DIODE		
C8001	NCB31CK-102X	C CAPACITOR	1000pF 16V K	
C8002	QEKJ1CM-476Z	E CAPACITOR	47uF 16V M	
C8003	NCB31CK-104X	C CAPACITOR	0.1uF 16V K	
R8001	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R8002	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J	
R8003	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R8004	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
K8001	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K8002	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K8003	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
K8004	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	

POWER P.W. BOARD ASS'Y (SFT-9051A-U2)

⚠Ref No.	Part No.	Part Name	Description	Local
IC9201	MIP2C20MSSCF	IC		
IC9501	STR-X6768N-F2	IC		
Q9501	2SC3928A/QR/-X	TRANSISTOR		
Q9502	RT1N241C-X	DIGI TRANSISTOR		
Q9503	2SC3928A/QR/-X	TRANSISTOR		
Q9505	2SC3928A/QR/-X	TRANSISTOR		
⚠D9001	TS25P05G-C2	BRIDGE DIODE		
D9203	EG01C-T2	SI DIODE		
D9204	SSPX-66-W	SI DIODE		
D9205	UTCTL431-T	IC		
D9206	EC21QS10-X	SB DIODE		
D9215	MA8330/M/-X	Z DIODE		
D9216	MA8150/M/-X	Z DIODE		
D9217	MA8150/M/-X	Z DIODE		
D9501	UDZW5.1B-X	SB DIODE		
D9502	MTZJ33B-T2	Z DIODE		
D9503	1SS355W-X	DIODE		
D9504	RF101L2S-X	SI DIODE		
D9505	RF101L2S-X	SI DIODE		
D9506	SARS01-T2	FR DIODE		
D9507	SARS01-T2	FR DIODE		
D9508	FR105GT-T3	SI DIODE		
D9509	RL2Z-LFC4	SI DIODE		
D9511	FMX-G22S	SI DIODE		
D9512	FMX-G22S	SI DIODE		
D9513	FMX-G22S	SI DIODE		
D9514	FR105GT-T3	SI DIODE		
D9515	UTCTL431-T	IC		
D9516	MTZJ16B-T2	Z DIODE		
D9517	MTZJ16B-T2	Z DIODE		
D9518	1SS355W-X	DIODE		
D9519	UDZW3.0B-X	Z DIODE		
D9520	1SS355W-X	DIODE		
D9522	FMX-G22S	SI DIODE		
⚠C9001	QFZ9084-105	MPP CAPACITOR	1uF	
⚠C9002	QFZ9084-105	MPP CAPACITOR	1uF	
⚠C9003	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
⚠C9004	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
⚠C9005	QCZ9078-222	C CAPACITOR	2200pF AC250V M	
⚠C9007	QCZ9071-102	C CAPACITOR	1000pF AC400V M	
⚠C9008	QCZ9071-102	C CAPACITOR	1000pF AC400V M	
C9205	QFP32JK-222	PP CAPACITOR	2200pF 630V K	
C9206	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C9207	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9208	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
⚠C9209	QCZ9071-102	C CAPACITOR	1000pF AC400V M	
C9210	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9211	QECR1VM-477Z	E CAPACITOR	470uF 35V M	
C9212	QEHR1AM-337Z	E CAPACITOR	330uF 10V M	
C9501	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9502	QEHR1HM-225Z	E CAPACITOR	2.2uF 50V M	
C9503	NCB31HK-102X	C CAPACITOR	1000pF 50V K	
C9504	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9505	NCB31HK-272X	C CAPACITOR	2700pF 50V K	
C9506	QCZ0340-821	C CAPACITOR	820pF 2kV K	
C9507	QEZ0739-337	E CAPACITOR	330uF	
C9508	QFP32JK-332	PP CAPACITOR	3300pF 630V K	
C9509	QEHR1HM-336Z	E CAPACITOR	33uF 50V M	
⚠C9512	QCZ9071-471	C CAPACITOR	470pF AC400V K	
C9514	QCB31HK-471Z	C CAPACITOR	470pF 50V K	
C9518	QECR2AM-156Z	E CAPACITOR	15uF 100V M	
C9519	QEZ0849-128	E CAPACITOR	1200uF	
C9520	QEZ0849-128	E CAPACITOR	1200uF	
C9521	QEZ0849-128	E CAPACITOR	1200uF	
C9522	NCB31HK-104X	C CAPACITOR	0.1uF 50V K	
C9523	QEZ0848-188	E CAPACITOR	1800uF	
C9526	QECR1EM-687Z	E CAPACITOR	680uF 25V M	
C9527	QECR1EM-227Z	E CAPACITOR	220uF 25V M	
C9528	QECR1VM-227Z	E CAPACITOR	220uF 35V M	
C9529	QEHR1HM-105Z	E CAPACITOR	1uF 50V M	
C9530	NCB31HK-222X	C CAPACITOR	2200pF 50V K	
⚠R9001	QRZ0107-474Z	C RESISTOR	470kΩ 1/2W K	
R9205	QRE121J-224Y	C RESISTOR	220kΩ 1/2W J	
R9206	QRE121J-101Y	C RESISTOR	100Ω 1/2W J	
R9207	NRSA63J-394X	MG RESISTOR	390kΩ 1/16W J	
R9208	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
⚠R9209	QRZ9046-685Z	C RESISTOR	6.8MΩ 1/2W K	
R9210	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R9211	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9212	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9213	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9214	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	
R9215	NRSA63D-103X	MG RESISTOR	10kΩ 1/16W D	
R9216	NRS12BJ-221W	MG RESISTOR	220Ω 1/2W J	
R9501	NRS12BJ-564W	MG RESISTOR	560kΩ 1/2W J	
R9502	NRS12BJ-564W	MG RESISTOR	560kΩ 1/2W J	
R9503	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9504	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9505	QRK126J-101X	UNF C RESISTOR	100Ω 1/2W J	
R9506	QRT029J-R27	MF RESISTOR	0.27Ω 2W J	
R9507	QRT029J-R27	MF RESISTOR	0.27Ω 2W J	
R9508	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R9509	QRL039J-220	OMF RESISTOR	22Ω 3W J	
R9510	QRE121J-564Y	C RESISTOR	560kΩ 1/2W J	
⚠R9512	QRE121J-220Y	C RESISTOR	22Ω 1/2W J	
R9513	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9514	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9515	QRG01GJ-821	OMF RESISTOR	820Ω 1W J	
R9517	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J	
R9518	NRSA63D-273X	MG RESISTOR	27kΩ 1/16W D	
R9519	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R9520	NRSA63D-332X	MG RESISTOR	3.3kΩ 1/16W D	
R9521	NRSA63J-182X	MG RESISTOR	1.8kΩ 1/16W J	
R9525	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R9526	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9527	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R9528	QRL029J-182	OMF RESISTOR	1.8kΩ 2W J	
R9529	QRL029J-104	OMF RESISTOR	100kΩ 2W J	
R9531	NRS12BJ-102W	MG RESISTOR	1kΩ 1/2W J	
R9532	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R9533	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R9534	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
⚠L9001	QQR1764-001	CHOKE COIL		
L9201	QQL26AM-5R6Z	CHOKE COIL	5.6uH M	
L9502	QQL26AM-5R6Z	CHOKE COIL	5.6uH M	
L9503	QQL26AM-5R6Z	CHOKE COIL	5.6uH M	
L9504	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
⚠T9202	QQS0381-001	SW TRANSF		
⚠T9501	QQS0391-001	SW TRANSF		
⚠CP9201	QMFZ052-2R0Z-E	FUSE	2A	
⚠CP9501	QMFZ049-5R0Z-E	FUSE	5A 125V	
⚠CP9503	ICP-N70-T	IC PROTECTOR	2.5A	
⚠CP9504	ICP-N70-T	IC PROTECTOR	2.5A	
⚠CP9505	ICP-N70-T	IC PROTECTOR	2.5A	
⚠CP9506	QMFZ043-5R0Z-J1	FUSE	5A AC250V	
⚠F9001	QMF5AD2-6R3-J1	FUSE	6.3A AC250V	
K9512	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K9513	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K9514	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
K9515	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J	
⚠LF9001	QQR1514-001	LINE FILTER		
⚠LF9002	QQR1281-004	LINE FILTER		
⚠LF9003	QQR1514-001	LINE FILTER		
⚠PC9202	PS2581AL1/QW/	PHOTO COUPLER		
⚠PC9501	PS2581AL1/QW/	PHOTO COUPLER		
⚠PC9502	PS2581AL1/QW/	PHOTO COUPLER		
⚠VA9001	QAF0060-621	VARISTOR	620V	

PRINTED WIRING BOARD PARTS LIST [LT-32A70BJ, LT-32A70BU, LT-32A70GU, LT-32A70SJ, LT-32A70SU]

MAIN P.W. BOARD ASS'Y (SFT-1052A-U2)

⚠Ref No.	Part No.	Part Name	Description Local
IC2	EDD1232AABH-6B	IC	
IC3	M30620SPGP-U5C	IC(MCU)	
IC5	39VF16827CEKD03	IC(MICRO C ROM)	
IC6	S-80829CNNB-G-W	IC	
IC7	ATE64-32A70BJ	IC	(SERVICE)
IC8	ATF02-26A70BJ	IC	(SERVICE)
IC9	BA7657F-X	IC	
IC11	MSP3410GQAB8V3	IC	
IC13	BH3547F-X	IC	
IC14	MP2363DN-X	IC	
IC15	MM1661JH-X	IC	
IC16	MM1663DH-X	IC	
IC17	MM1663DH-X	IC	
IC18	PQ025EN02Z-X	IC	
IC19	MM1663DH-X	IC	
IC20	BA80BC0FP-X	IC	
IC21	UDA1334BT/N2-X	Z DIODE	
IC22	MP2363DN-X	IC	
IC23	MP2363DN-X	IC	
IC601	TPA3100D2PHP-W	IC	
Q1	SSM3K17FU-X	MOS FET	
Q2	RT1N441C-X	TRANSISTOR	
Q3	RT1N441C-X	TRANSISTOR	
Q4	2SK1228-X	MOS FET	
Q5	2SK1228-X	MOS FET	
Q6	SSM3K17FU-X	MOS FET	
Q7	SSM3K17FU-X	MOS FET	
Q8	RT1N441C-X	TRANSISTOR	
Q9	2SC3928A/QR/-X	TRANSISTOR	
Q10	2SC3928A/QR/-X	TRANSISTOR	
Q11	2SC3928A/QR/-X	TRANSISTOR	
Q12	2SC3928A/QR/-X	TRANSISTOR	
Q13	2SC3928A/QR/-X	TRANSISTOR	
Q14	2SC3928A/QR/-X	TRANSISTOR	
Q15	2SC3928A/QR/-X	TRANSISTOR	
Q16	2SC3928A/QR/-X	TRANSISTOR	
Q17	2SC3928A/QR/-X	TRANSISTOR	
Q18	2SC3928A/QR/-X	TRANSISTOR	
Q21	RT1N140C-X	DIGI TRANSISTOR	
Q22	2SA1530A/QR/-X	TRANSISTOR	
Q26	2SC3928A/QR/-X	TRANSISTOR	
Q27	2SC3928A/QR/-X	TRANSISTOR	
Q28	2SC3928A/QR/-X	TRANSISTOR	
Q29	RT1P441C-X	DIGI TRANSISTOR	
Q30	SSM3K17FU-X	MOS FET	
Q31	RT4N430C-X	DIGI TRANSISTOR	
Q32	RT4N430C-X	DIGI TRANSISTOR	
Q33	2SA1530A/QR/-X	TRANSISTOR	
Q34	RT4N430C-X	DIGI TRANSISTOR	
Q35	RT4N430C-X	DIGI TRANSISTOR	
Q36	2SA1530A/QR/-X	TRANSISTOR	
Q37	2SA1530A/QR/-X	TRANSISTOR	
Q38	RT1N430C-X	TRANSISTOR	
Q39	2SA1530A/QR/-X	TRANSISTOR	
Q603	2SC3928A/QR/-X	TRANSISTOR	
Q604	2SC3928A/QR/-X	TRANSISTOR	
Q605	2SC3928A/QR/-X	TRANSISTOR	
Q607	2SA1530A/QR/-X	TRANSISTOR	
D1	1SS355W-X	DIODE	
D2	UDZW4.7B-X	Z DIODE	
D3	UDZW4.7B-X	Z DIODE	
D4	UDZW4.7B-X	Z DIODE	
D5	UDZW4.7B-X	Z DIODE	
D6	UDZW8.2B-X	Z DIODE	
D7	UDZW8.2B-X	Z DIODE	
D8	UDZW4.7B-X	Z DIODE	
D9	UDZW4.7B-X	Z DIODE	
D10	UDZW10B-X	Z DIODE	
D11	UDZW5.6B-X	Z DIODE	
D12	UDZW5.6B-X	Z DIODE	
D13	UDZW5.6B-X	Z DIODE	
D14	UDZW8.2B-X	Z DIODE	
D15	UDZW8.2B-X	Z DIODE	
D16	UDZW4.7B-X	Z DIODE	
D17	UDZW4.7B-X	Z DIODE	
D18	UDZW10B-X	Z DIODE	
D19	UDZW5.6B-X	Z DIODE	
D20	UDZW5.6B-X	Z DIODE	
D21	UDZW5.6B-X	Z DIODE	
D22	UDZW8.2B-X	Z DIODE	
D23	UDZW8.2B-X	Z DIODE	
D24	UDZW8.2B-X	Z DIODE	
D25	UDZW8.2B-X	Z DIODE	
D26	UDZW8.2B-X	Z DIODE	
D27	UDZW8.2B-X	Z DIODE	
D28	UDZW5.6B-X	Z DIODE	
D29	UDZW5.6B-X	Z DIODE	
D30	UDZW4.7B-X	Z DIODE	
D31	UDZW4.7B-X	Z DIODE	
D32	UDZW5.6B-X	Z DIODE	
D42	1SS355W-X	DIODE	
D43	1SS355W-X	DIODE	
D44	1SS355W-X	DIODE	
D45	EC31QS04-X	SB DIODE	
D50	1SS355W-X	DIODE	
D53	EC31QS04-X	SB DIODE	
D54	RB501V-40-X	SB DIODE	
D55	1SS355W-X	DIODE	
D56	1SS355W-X	DIODE	
D58	EC31QS04-X	SB DIODE	
D59	EC31QS04-X	SB DIODE	
D60	RB501V-40-X	SB DIODE	
D63	1SS355W-X	DIODE	
D65	EC21QS10-X	SB DIODE	
D66	EC21QS10-X	SB DIODE	
D301	1SS355W-X	DIODE	
D302	1SS355W-X	DIODE	
D303	1SS355W-X	DIODE	
D601	1SS355W-X	DIODE	
D602	1SS355W-X	DIODE	
D603	1SS355W-X	DIODE	
D604	1SS355W-X	DIODE	
C1	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J
C2	NDC31HJ-2R0X	C CAPACITOR	2pF 50V J
C9	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C10	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C11	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C12	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C14	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C15	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C16	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C17	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C18	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C19	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C20	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C21	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C22	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C23	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C24	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C25	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C26	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C27	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C28	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C29	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C30	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C31	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C32	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C33	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C34	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C35	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C36	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C37	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C38	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C39	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C40	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C41	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C42	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C43	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C44	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C45	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C46	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C47	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C48	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C49	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C50	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C51	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C52	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C53	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C54	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C55	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C56	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C58	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C59	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C60	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C61	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C62	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C63	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C64	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C65	NCB31CK-104X	C CAPACITOR	0.1uF 16V K

⚠Ref No.	Part No.	Part Name	Description Local
C66	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C67	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C68	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C69	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C70	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C71	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C72	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C73	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C74	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C75	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C76	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C77	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C78	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C79	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C80	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C81	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C85	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C86	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C87	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C88	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C89	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C90	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C91	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C92	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C94	NEHL1HM-106X	E CAPACITOR	10uF 50V M
C96	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C97	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C98	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C99	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C100	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C101	NBE21AM-226X	TA E CAPACITOR	22uF 10V M
C102	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C103	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C104	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C105	NCB31AK-334X	C CAPACITOR	0.33uF 10V K
C106	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C107	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C109	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C110	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C111	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C112	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C113	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C114	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C115	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C116	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C117	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C118	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C119	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C120	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C121	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C122	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C123	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C124	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C125	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C126	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C127	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C128	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C129	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C130	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C131	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C132	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C133	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C134	NCB31CK-105X	C CAPACITOR	1uF 16V K
C136	NCB31CK-105X	C CAPACITOR	1uF 16V K
C137	NCB31CK-105X	C CAPACITOR	1uF 16V K
C138	NCB31CK-105X	C CAPACITOR	1uF 16V K
C139	NCB31CK-105X	C CAPACITOR	1uF 16V K
C140	NCB31CK-105X	C CAPACITOR	1uF 16V K
C141	NCB31CK-105X	C CAPACITOR	1uF 16V K
C142	NCB31CK-105X	C CAPACITOR	1uF 16V K
C143	NCB31CK-105X	C CAPACITOR	1uF 16V K
C144	NCB31CK-105X	C CAPACITOR	1uF 16V K
C145	NCB31CK-105X	C CAPACITOR	1uF 16V K
C146	NCB31AK-105X	C CAPACITOR	1uF 10V K
C147	NCB31AK-105X	C CAPACITOR	1uF 10V K
C148	NEAF1CM-107X	E CAPACITOR	100uF 16V M
C149	NEAF1CM-107X	E CAPACITOR	100uF 16V M
C150	NEAF1CM-107X	E CAPACITOR	100uF 16V M
C151	NEHL0GM-227X	E CAPACITOR	220uF 4V M
C152	NEHL0GM-227X	E CAPACITOR	220uF 4V M
C153	NEAF1CM-107X	E CAPACITOR	100uF 16V M
C156	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C157	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C158	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C159	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C160	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C161	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C162	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C163	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C164	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C165	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C166	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C167	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C168	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C169	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C170	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C171	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C172	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C173	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C174	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C175	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C176	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C178	NCB31HK-272X	C CAPACITOR	2700pF 50V K
C179	NCB31HK-272X	C CAPACITOR	2700pF 50V K
C180	NCB31CK-472X	C CAPACITOR	4700pF 16V K
C181	NCB31CK-472X	C CAPACITOR	4700pF 16V K
C182	NCB31CK-472X	C CAPACITOR	4700pF 16V K
C183	NCB31CK-472X	C CAPACITOR	4700pF 16V K
C184	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C185	NDC31HJ-150X	C CAPACITOR	15pF 50V J
C186	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C187	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C188	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C189	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C190	NCB31CK-102X	C CAPACITOR	1000pF 16V K
C191	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C192	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C193	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C194	NEAF1CM-106X	E CAPACITOR	10uF 16V M
C195	NEAF1CM-106X	E CAPACITOR	10uF 16V M
C196	NEAF1CM-106X	E CAPACITOR	10uF 16V M
C197	NEAF1CM-106X	E CAPACITOR	10uF 16V M
C198	NCB31CK-105X	C CAPACITOR	1uF 16V K
C199	NCB31CK-105X	C CAPACITOR	1uF 16V K
C200	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C201	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C202	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C203	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C204	NEAF1CM-106X	E CAPACITOR	10uF 16V M
C205	NEAF1CM-106X	E CAPACITOR	10uF 16V M
C206	NEAF1CM-106X	E CAPACITOR	10uF 16V M
C207	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C208	NCB31HK-471X	C CAPACITOR	470pF 50V K
C209	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C210	NCB31HK-471X	C CAPACITOR	470pF 50V K
C212	NCB31HK-471X	C CAPACITOR	470pF 50V K
C213	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C214	NCB31HK-471X	C CAPACITOR	470pF 50V K
C215	NCB31HK-471X	C CAPACITOR	470pF 50V K
C216	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C217	NCB31HK-471X	C CAPACITOR	470pF 50V K
C218	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C219	NCB31HK-471X	C CAPACITOR	470pF 50V K
C221	NCB31HK-471X	C CAPACITOR	470pF 50V K
C222	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C223	NDC31HJ-100X	C CAPACITOR	10pF 50V J
C224	NCB31HK-471X	C CAPACITOR	470pF 50V K
C228	NCB31HK-331X	C CAPACITOR	330pF 50V K
C229	NCB31HK-331X	C CAPACITOR	330pF 50V K
C230	NCB31HK-331X	C CAPACITOR	330pF 50V K
C231	NCB31HK-331X	C CAPACITOR	330pF 50V K
C232	QEKC1CM-227Z	E CAPACITOR	220uF 16V M
C233	QEKC1CM-227Z	E CAPACITOR	220uF 16V M
C234	NEAF1CM-476X	E CAPACITOR	47uF 16V M
C235	NEAF1CM-476X	E CAPACITOR	47uF 16V M
C236	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C237	NCB31EK-562X	C CAPACITOR	5600pF 25V K
C238	NEAF1CM-107X	E CAPACITOR	100uF 16V M
C239	NCB31CK-105X	C CAPACITOR	1uF 16V K
C240	NCB31CK-105X	C CAPACITOR	1uF 16V K
C241	NCB31CK-105X	C CAPACITOR	1uF 16V K
C245	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C246	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C248	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C249	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C250	NCJ21CK-106X-R	C CAPACITOR	10uF 16V K
C251	NCB31CK-105X	C CAPACITOR	1uF 16V K
C252	NDC31HJ-180X	C CAPACITOR	18pF 50V J
C255	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C256	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C257	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C258	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C259	NDC31HJ-1R0X	C CAPACITOR	1pF 50V J
C260	NDC31HJ-1R0X	C CAPACITOR	1pF 50V J
C261	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C262	NDC31HJ-330X	C CAPACITOR	33pF 50V J
C263	NCB31EK-682X	C CAPACITOR	6800pF 25V K
C264	NCB31EK-682X	C CAPACITOR	6800pF 25V K
C265	NCB31HK-392X	C CAPACITOR	3900pF 50V K
C266	NCB31HK-392X	C CAPACITOR	3900pF 50V K

⚠Ref No.	Part No.	Part Name	Description Local
C272	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C273	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C274	NCB31AK-105X	C CAPACITOR	1uF 10V K
C275	NCB31AK-105X	C CAPACITOR	1uF 10V K
C276	NCB31AK-105X	C CAPACITOR	1uF 10V K
C277	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C278	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C279	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C280	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M
C281	NEX50JM-476X	E CAPACITOR	47uF 6.3V M
C282	NCB31AK-105X	C CAPACITOR	1uF 10V K
C283	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M
C284	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M
C285	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C286	NEAF0JM-476X	E CAPACITOR	47uF 6.3V M
C287	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C288	NEHM1CM-476X	E CAPACITOR	47uF 16V M
C289	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C290	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C291	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C292	NDC31HJ-470X	C CAPACITOR	47pF 50V J
C293	NCB31CK-105X	C CAPACITOR	1uF 16V K
C296	NCB31HK-471X	C CAPACITOR	470pF 50V K
C297	NEAF1CM-226X	E CAPACITOR	22uF 16V M
C298	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C299	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C300	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C301	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C302	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C303	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C304	NCB31HK-821X	C CAPACITOR	820pF 50V K
C305	NEHL1HM-106X	E CAPACITOR	10uF 50V M
C306	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C307	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C308	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C309	NBXJ0JM-106X	TA E CAPACITOR	10uF 6.3V M
C310	NBXJ0JM-106X	TA E CAPACITOR	10uF 6.3V M
C311	NBXJ0JM-106X	TA E CAPACITOR	10uF 6.3V M
C312	NCB31CK-105X	C CAPACITOR	1uF 16V K
C313	NCB31CK-105X	C CAPACITOR	1uF 16V K
C315	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C317	NCB31HK-272X	C CAPACITOR	2700pF 50V K
C319	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C320	NCB31CK-104X	C CAPACITOR	0.1uF 16V K
C321	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C322	NCB31HK-471X	C CAPACITOR	470pF 50V K
C327	NCB31CK-103X	C CAPACITOR	0.01uF 16V K
C328	NCB31EK-562X	C CAPACITOR	5600pF 25V K
C329	NCB31EK-562X	C CAPACITOR	5600pF 25V K
C330	QEX61FM-475Z	E CAPACITOR	4.7uF 30V M
C331	NEX51DM-226X	E CAPACITOR	22uF 20V M
C332	NBE21AM-226X	TA E CAPACITOR	22uF 10V M
C333	NBE21AM-226X	TA E CAPACITOR	22uF 10V M
C334	NCB31HK-471X	C CAPACITOR	470pF 50V K
C335	NCB31HK-471X	C CAPACITOR	470pF 50V K
C336	NCB31HK-471X	C CAPACITOR	470pF 50V K
C337	NEAF1CM-476X	E CAPACITOR	47uF 16V M
C338	NCB31AK-105X	C CAPACITOR	1uF 10V K
C339	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C340	NCB31HK-222X	C CAPACITOR	2200pF 50V K
C342	NEAF1CM-107X	E CAPACITOR	100uF 16V M
C601	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C602	NDC31HJ-101X	C CAPACITOR	100pF 50V J
C603	NCB31CK-105X	C CAPACITOR	1uF 16V K
C604	NCB31CK-105X	C CAPACITOR	1uF 16V K
C605	NCB31CK-105X	C CAPACITOR	1uF 16V K
C606	NCB31CK-105X	C CAPACITOR	1uF 16V K
C607	NCB31HK-103X	C CAPACITOR	0.01uF 50V K
C608	NCB31CK-105X	C CAPACITOR	1uF 16V K
C609	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C610	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C611	NCB21EK-334X	C CAPACITOR	0.33uF 25V K
C612	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C613	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C614	NCB11EK-105X	C CAPACITOR	1uF 25V K
C615	QEKC1CM-227Z	E CAPACITOR	220uF 16V M
C616	NCB31CK-105X	C CAPACITOR	1uF 16V K
C617	NCB31CK-105X	C CAPACITOR	1uF 16V K
C618	QEKC1CM-227Z	E CAPACITOR	220uF 16V M
C619	NCB11EK-105X	C CAPACITOR	1uF 25V K
C620	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C621	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C622	NCB21EK-334X	C CAPACITOR	0.33uF 25V K
C623	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C624	NCB31CK-224X	C CAPACITOR	0.22uF 16V K
C625	NCB31EK-104X	C CAPACITOR	0.1uF 25V K
C626	QETN1EM-226Z	E CAPACITOR	22uF 25V M
C627	QETN1CM-107Z	E CAPACITOR	100uF 16V M
C753	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C754	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C755	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C756	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C757	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C758	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C759	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C760	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C761	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
C762	NCB31HK-104X	C CAPACITOR	0.1uF 50V K
R1	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R3	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R4	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R5	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R6	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R8	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J
R9	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R10	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R14	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R15	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R16	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R17	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R18	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R19	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R20	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R21	NRSA63J-105X	MG RESISTOR	1MΩ 1/16W J
R23	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R27	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R28	NRSA63F-103X	MG RESISTOR	10kΩ 1/16W F
R29	NRSA63F-103X	MG RESISTOR	10kΩ 1/16W F
R35	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R36	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
R38	NRSA63F-103X	MG RESISTOR	10kΩ 1/16W F
R39	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J
R41	NRSA63J-273X	MG RESISTOR	27kΩ 1/16W J
R43	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R44	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R45	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R46	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R47	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R48	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R49	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R50	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R51	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R52	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R53	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R56	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R57	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R58	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R59	NRSA63J-100X	MG RESISTOR	10Ω 1/16W J
R61	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R62	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R63	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J
R64	NRSA63D-822X	MG RESISTOR	8.2kΩ 1/16W D
R65	NRSA63D-152X	MG RESISTOR	1.5kΩ 1/16W D
R66	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R67	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R68	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R69	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R70	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R71	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R72	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R73	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R74	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R75	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R76	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R77	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R78	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R79	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R80	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R81	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R82	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R83	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R88	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R89	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R90	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R94	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R95	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R96	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R97	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J
R98	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R99	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R100	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R102	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R103	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R104	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R105	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J
R106	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J
R108	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J
R109	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J
R110	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J

⚠Ref No.	Part No.	Part Name	Description	Local
R111	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R112	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R113	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R114	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R115	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R116	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R117	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R118	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R119	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R120	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R121	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R122	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R123	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R124	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R125	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R126	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R127	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R128	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R129	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R131	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R132	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R133	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R136	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R137	NRSA63J-474X	MG RESISTOR	470kΩ 1/16W J	
R138	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R139	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R140	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R143	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R144	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R145	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R146	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R147	NRSA63J-332X	MG RESISTOR	3.3kΩ 1/16W J	
R148	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R150	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R151	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R158	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R159	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R160	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R162	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R163	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R164	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R165	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R166	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R167	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R168	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R169	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R170	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R171	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R172	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R173	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R174	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R178	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J	
R179	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J	
R180	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R181	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R182	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J	
R183	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J	
R184	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R185	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R186	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J	
R187	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J	
R188	NRSA63J-150X	MG RESISTOR	15Ω 1/16W J	
R189	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R190	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R191	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R192	NRSA63J-224X	MG RESISTOR	220kΩ 1/16W J	
R193	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R194	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R195	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R196	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R197	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R198	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R199	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R200	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R201	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R202	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R203	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R204	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R205	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R207	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R208	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R210	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R211	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R212	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R213	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R214	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R216	NRSA63F-393X	MG RESISTOR	39kΩ 1/16W F	
R217	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R218	NRSA63F-393X	MG RESISTOR	39kΩ 1/16W F	
R219	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R220	NRSA63J-392X	MG RESISTOR	3.9kΩ 1/16W J	
R221	NRSA63F-562X	MG RESISTOR	5.6kΩ 1/16W F	
R222	NRSA63F-562X	MG RESISTOR	5.6kΩ 1/16W F	
R224	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R225	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R226	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R227	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R228	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R231	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R232	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R233	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R234	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R235	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R236	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R237	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R238	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R239	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R240	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R241	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R242	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R245	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R246	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R247	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R248	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R249	NRSA63J-472X	MG RESISTOR	4.7kΩ 1/16W J	
R250	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R252	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R254	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R255	NRSA63J-330X	MG RESISTOR	33Ω 1/16W J	
R256	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R257	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R258	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R259	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R260	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R261	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R262	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R263	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R264	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R265	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R266	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R267	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R268	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R269	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R270	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R271	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R272	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R273	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R274	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R275	NRSA63J-750X	MG RESISTOR	75Ω 1/16W J	
R277	NRSA63J-562X	MG RESISTOR	5.6kΩ 1/16W J	
R279	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R282	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R283	NRSA63J-822X	MG RESISTOR	8.2kΩ 1/16W J	
R284	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R285	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R286	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R287	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R288	NRSA63J-221X	MG RESISTOR	220Ω 1/16W J	
R289	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J	
R290	NRSA63J-152X	MG RESISTOR	1.5kΩ 1/16W J	
R292	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J	
R293	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R296	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R297	NRSA63J-821X	MG RESISTOR	820Ω 1/16W J	
R302	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R303	NRSA63J-220X	MG RESISTOR	22Ω 1/16W J	
R308	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R310	NRSA63J-331X	MG RESISTOR	330Ω 1/16W J	
R312	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R313	NRSA63J-222X	MG RESISTOR	2.2kΩ 1/16W J	
R314	NRSA63J-681X	MG RESISTOR	680Ω 1/16W J	
R315	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R316	NRSA63J-271X	MG RESISTOR	270Ω 1/16W J	
R317	NRSA63J-470X	MG RESISTOR	47Ω 1/16W J	
R318	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R319	NRSA63J-101X	MG RESISTOR	100Ω 1/16W J	
R320	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R321	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R322	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R323	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R324	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J	
R326	NRSA63J-181X	MG RESISTOR	180Ω 1/16W J	
R327	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R328	NRSA63J-473X	MG RESISTOR	47kΩ 1/16W J	
R329	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R330	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J	
R331	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J	
R332	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J	
R333	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J	
R334	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J	

⚠Ref No.	Part No.	Part Name	Description Local
R335	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R336	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R337	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R338	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R339	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R340	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R341	NRSA63J-823X	MG RESISTOR	82kΩ 1/16W J
R342	NRSA63J-391X	MG RESISTOR	390Ω 1/16W J
R343	NRSA63J-471X	MG RESISTOR	470Ω 1/16W J
R344	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
R601	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R602	NRSA63J-102X	MG RESISTOR	1kΩ 1/16W J
R603	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R604	NRSA63J-333X	MG RESISTOR	33kΩ 1/16W J
R607	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R608	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R609	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R610	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R611	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R612	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R613	NRSA63J-123X	MG RESISTOR	12kΩ 1/16W J
R614	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R615	NRSA63J-272X	MG RESISTOR	2.7kΩ 1/16W J
R616	NRSA63J-104X	MG RESISTOR	100kΩ 1/16W J
R618	NRSA63J-103X	MG RESISTOR	10kΩ 1/16W J
R626	NRSA63J-563X	MG RESISTOR	56kΩ 1/16W J
RA92	NRZ0065-101X	NET RESISTOR	100Ω 1/16W J
RA93	NRZ0065-101X	NET RESISTOR	100Ω 1/16W J
RA166	NRZ0052-150W	NET RESISTOR	15Ω 1/32W J
RA167	NRZ0052-150W	NET RESISTOR	15Ω 1/32W J
RA168	NRZ0052-150W	NET RESISTOR	15Ω 1/32W J
RA169	NRZ0052-330W	NET RESISTOR	33Ω 1/32W J
RA170	NRZ0052-150W	NET RESISTOR	15Ω 1/32W J
RA171	NRZ0052-330W	NET RESISTOR	33Ω 1/32W J
RA172	NRZ0052-150W	NET RESISTOR	15Ω 1/32W J
RA173	NRZ0052-150W	NET RESISTOR	15Ω 1/32W J
RA174	NRZ0052-150W	NET RESISTOR	15Ω 1/32W J
RA175	NRZ0052-150W	NET RESISTOR	15Ω 1/32W J
RA176	NRZ0052-150W	NET RESISTOR	15Ω 1/32W J
RA177	NRZ0052-150W	NET RESISTOR	15Ω 1/32W J
RA253	NRZ0065-101X	NET RESISTOR	100Ω 1/16W J
RA254	NRZ0065-101X	NET RESISTOR	100Ω 1/16W J
L1	NQR0383-002X	CHOKE COIL	
L2	NQR0383-002X	CHOKE COIL	
L3	NQR0383-002X	CHOKE COIL	
L4	NQR0383-002X	CHOKE COIL	
L5	NQR0383-002X	CHOKE COIL	
L7	NQL382M-2R2X	COIL	2.2uH M
L8	NQL382M-2R2X	COIL	2.2uH M
L9	NQL382M-2R2X	COIL	2.2uH M
L10	NQL382M-2R2X	COIL	2.2uH M
L11	NQL382M-2R2X	COIL	2.2uH M
L12	NQL382M-2R2X	COIL	2.2uH M
L13	NQLE82M-1R0X	COIL	1uH M
L14	NQLE82M-100X	COIL	10uH M
L15	NQLE82M-100X	COIL	10uH M
L16	NQLE82M-100X	COIL	10uH M
L17	NQLE82M-100X	COIL	10uH M
L18	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L19	NQL953J-3R3X	COIL	3.3uH J
L20	NQL953J-3R3X	COIL	3.3uH J
L21	NQL953J-3R3X	COIL	3.3uH J
L22	NQL953J-3R3X	COIL	3.3uH J
L23	NQL953J-3R3X	COIL	3.3uH J
L24	NQL953J-3R3X	COIL	3.3uH J
L25	NQL953J-3R3X	COIL	3.3uH J
L26	NQL953J-3R3X	COIL	3.3uH J
L27	NQL953J-3R3X	COIL	3.3uH J
L28	NQL953J-3R3X	COIL	3.3uH J
L32	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L33	NQL71EM-150X	COIL	15uH M
L36	NRSA63J-0R0X	MG RESISTOR	0Ω 1/16W J
L37	NQL093M-220X	COIL	22uH M
L38	NQL093M-180X	COIL	18uH M
L39	NQLE82M-100X	COIL	10uH M
L40	NQL71EM-150X	COIL	15uH M
L41	NQL71EM-150X	COIL	15uH M
L601	NQLF3EM-330X	COIL	33uH M
L602	NQLF3EM-330X	COIL	33uH M
L603	NQLF3EM-330X	COIL	33uH M
L604	NQLF3EM-330X	COIL	33uH M
FB1	NQR0155-003X	FERRITE CORE	
FB2	NQR0155-003X	FERRITE CORE	
FB3	NQR0155-003X	FERRITE CORE	
FB4	NQR0155-003X	FERRITE CORE	
FB5	NQR0155-003X	FERRITE CORE	
FB6	NQR0155-003X	FERRITE CORE	
FB7	NQR0155-003X	FERRITE CORE	
FB8	NQR0155-003X	FERRITE CORE	
FB10	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
FB12	NQR0155-003X	FERRITE CORE	
FB13	NQR0413-002X	FERRITE BEADS	
FB14	NQR0413-003X	FERRITE BEADS	
FB15	NQR0413-003X	FERRITE BEADS	
FB16	NQR0413-003X	FERRITE BEADS	
FB17	NQR0413-003X	FERRITE BEADS	
FB18	NQR0413-003X	FERRITE BEADS	
FB19	NQR0155-003X	FERRITE CORE	
FB20	NQR0155-003X	FERRITE CORE	
FB21	NQR0155-003X	FERRITE CORE	
FB22	NQR0155-003X	FERRITE CORE	
FB23	NQR0155-003X	FERRITE CORE	
FB24	NQR0155-003X	FERRITE CORE	
FB25	NQR0413-002X	FERRITE BEADS	
FB26	NQR0413-003X	FERRITE BEADS	
FB27	NQR0413-003X	FERRITE BEADS	
FB28	NQR0413-003X	FERRITE BEADS	
FB29	NQR0413-003X	FERRITE BEADS	
FB30	NQR0413-003X	FERRITE BEADS	
FB31	NQR0155-003X	FERRITE CORE	
FB32	NQR0413-003X	FERRITE BEADS	
FB33	NQR0413-003X	FERRITE BEADS	
FB34	NQR0413-003X	FERRITE BEADS	
FB35	NQR0413-003X	FERRITE BEADS	
FB36	NQR0413-003X	FERRITE BEADS	
FB37	NQR0413-003X	FERRITE BEADS	
FB38	NQR0155-003X	FERRITE CORE	
FB39	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
FB40	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
FB41	NQR0155-003X	FERRITE CORE	
FB43	NQR0413-003X	FERRITE BEADS	
FB44	NQR0413-003X	FERRITE BEADS	
FB45	NQR0413-003X	FERRITE BEADS	
FB46	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
FB50	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
FB52	NQR0413-003X	FERRITE BEADS	
FB54	NQR0599-004X	FERRITE BEADS	
FB55	NQR0599-004X	FERRITE BEADS	
FB61	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
FB62	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
FB63	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
FB64	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
FB65	NRSA02J-0R0X	MG RESISTOR	0Ω 1/10W J
J1	QNZ0465-001	21P CONNECTOR	EXT-1/EXT-2
J3	QNN0798-001	PIN JACK	EXT-3/EXT-4
J5	NNZ0117-001	CONNECTOR	DIGITAL IN
TU1	QAU0488-001	TUNER	
X1	NAX0920-001X	CRYSTAL	28.322000MHz
X2	QAX0532-001	CRYSTAL	10.000MHz
X3	QAX0918-001Z	CRYSTAL	18.432MHz

CONTROL P.W. BOARD ASS'Y (SFT-7251A-U2)

REFER TO PARTS LIST IN PAGE 3-10 FOR THIS P.W. BOARD.

IR P.W. BOARD ASS'Y (SFT-8951A-U2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

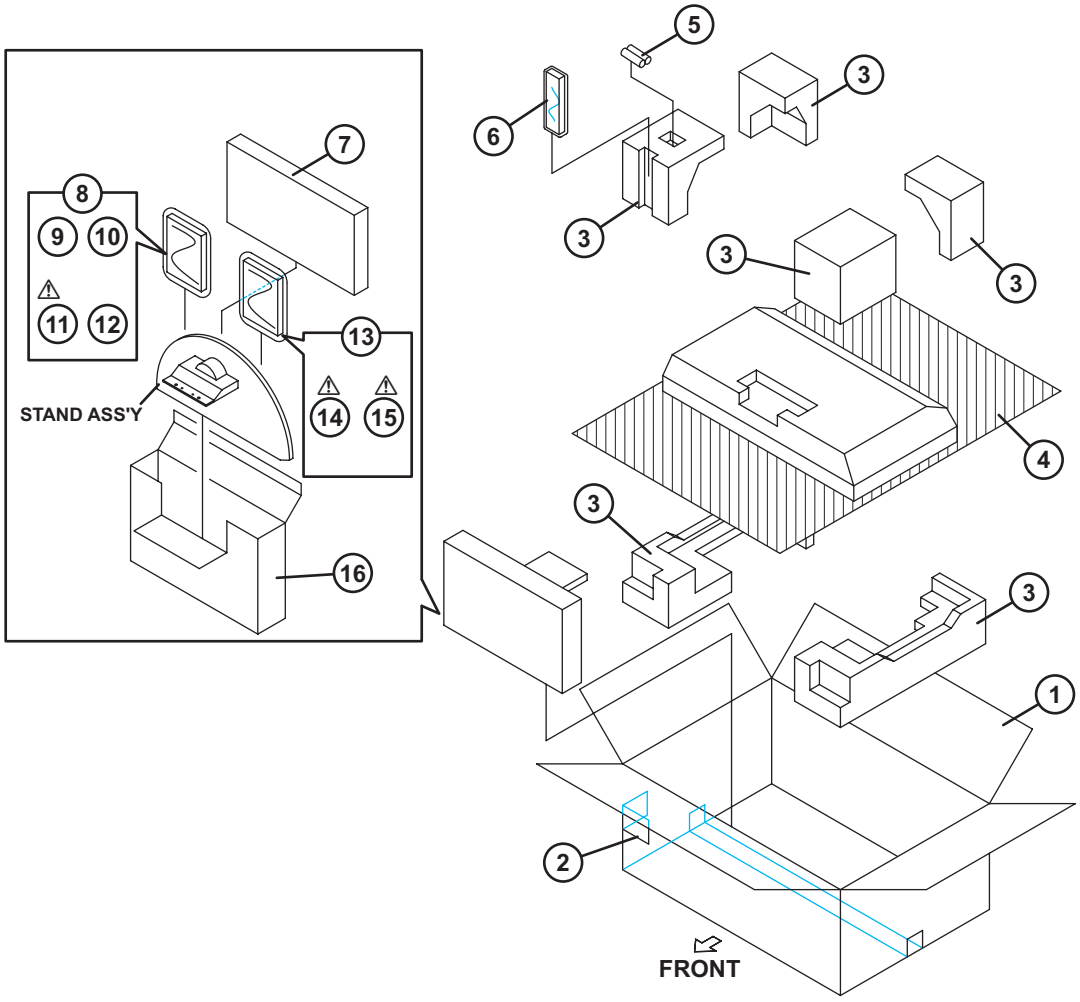
POWER P.W. BOARD ASS'Y (SFT-9051A-U2)

REFER TO PARTS LIST IN PAGE 3-11 FOR THIS P.W. BOARD.

REMOTE CONTROL UNIT PARTS LIST (RM-C1816S-2C)

⚠	Ref.No.	Part No.	Part Name	Description	Local
		2AA070311	BATTERY COVER		

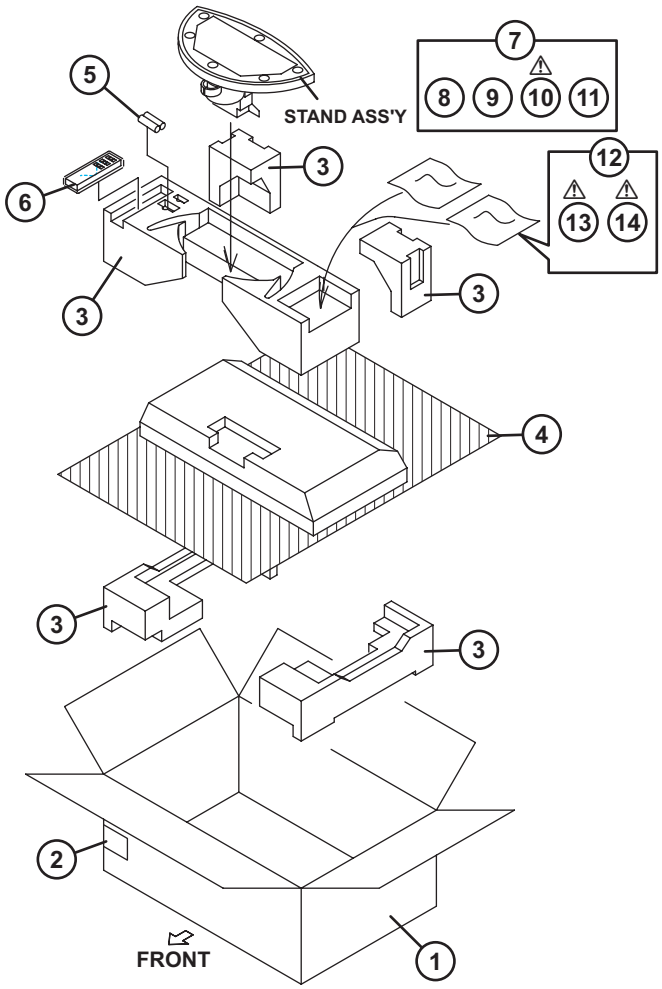
PACKING [LT-26A70BJ, LT-26A70BU, LT-26A70SJ, LT-26A70SU]



PACKING PARTS LIST [LT-26A70BJ, LT-26A70BU, LT-26A70SJ, LT-26A70SU]

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	GA10002-095A-U	PACKING CASE		
	2	GA10180-081A-U	EURO LABEL		LT-26A70BJ
	2	GA10180-078A-U	EURO LABEL		LT-26A70BU
	2	GA10180-080A-U	EURO LABEL		LT-26A70SJ
	2	GA10180-076A-U	EURO LABEL		LT-26A70SU
	3	GA10162-002B-U	CUSHION ASSY	6pcs in 1set	LT-26A70BJ,LT-26A70SJ
	3	GA10162-002A-U	CUSHION ASSY	6pcs in 1set	LT-26A70BU,LT-26A70SU
	4	GA10165-001A-U	FOAM SHEET		
	5	----------	BATTERY	R6P/AA(x2)	
	6	RM-C1816S-2C	REMOTE CONTROL UNIT		
	7	GA30118-001A-U	SPACER PAD		
	8	GA30007-001A-U	DOCUMENT BAGS		
	9	LCT1504-001A-U	CAUTION SHEET		LT-26A70BJ,LT-26A70SJ
	9	LCT1504-002A-U	CAUTION SHEET		LT-26A70BU,LT-26A70SU
	10	----------	WARRANTY CARD	BT-54030-1	
⚠	11	LCT2174-001A-U	INST BOOK	English	LT-26A70BJ,LT-26A70SJ
⚠	11	LCT2175-001A-U	INST BOOK	English/French/German/Spanish/Dutch /Italian/Portuguese	LT-26A70BU,LT-26A70SU
	12	GA30011-001A-U	REGISTRATION CARD		LT-26A70BJ,LT-26A70SJ
	13	GA30007-001A-U	DOCUMENT BAGS		LT-26A70BU,LT-26A70SU
⚠	14	LCT2176-001A-U	INST BOOK	Swedish/Finn/Danish/Norwegian	LT-26A70BU,LT-26A70SU
⚠	15	LCT2177-001A-U	INST BOOK	Russian/Romanian/Hungarian/Czech/Bulgarian/Polish/Ukrainian	LT-26A70BU,LT-26A70SU
	16	GA30119-001A-U	STAND BOX		

PACKING [LT-32A70BJ, LT-32A70BU, LT-32A70GU, LT-32A70SJ, LT-32A70SU]



PACKING PARTS LIST [LT-32A70BJ, LT-32A70BU, LT-32A70GU, LT-32A70SJ, LT-32A70SU]

⚠	Ref.No.	Part No.	Part Name	Description	Local
	1	GA10002-087B-U	PACKING CASE		
	2	GA10180-087A-U	EURO LABEL		LT-32A70BJ
	2	GA10180-084A-U	EURO LABEL		LT-32A70BU
	2	GA10272-074A-U	EURO LABEL		LT-32A70GU
	2	GA10180-086A-U	EURO LABEL		LT-32A70SJ
	2	GA10180-082A-U	EURO LABEL		LT-32A70SU
	3	GA10273-002B-U	CUSHION ASSY	5pcs in 1set	LT-32A70BJ,LT-32A70GU,LT-32A70SJ
	3	GA10273-002A-U	CUSHION ASSY	5pcs in 1set	LT-32A70BU,LT-32A70SU
	4	GA10165-002A-U	FOAM SHEET		
	5	----------	BATTERY	R6P/AA(x2)	
	6	RM-C1816S-2C	REMOTE CONTROL UNIT		
	7	GA30007-001A-U	DOCUMENT BAGS		
	8	LCT1504-001A-U	CAUTION SHEET		LT-32A70BJ,LT-32A70SJ
	8	LCT1504-002A-U	CAUTION SHEET		LT-32A70BU,LT-32A70GU,LT-32A70SU
	9	----------	WARRANTY CARD	BT-54030-1	
⚠	10	LCT2174-001A-U	INST BOOK	English	LT-32A70BJ,LT-32A70SJ
⚠	10	LCT2175-001A-U	INST BOOK	English/French/German/Spanish/Dutch /Italian/Portuguese	LT-32A70BU,LT-32A70SU
	11	GA30011-001A-U	REGISTRATION CARD		LT-32A70BJ,LT-32A70SJ
	12	GA30007-001A-U	DOCUMENT BAGS		LT-32A70BU,LT-32A70GU,LT-32A70SU
⚠	13	LCT2176-001A-U	INST BOOK	Swedish/Finn/Danish/Norwegian	LT-32A70BU,LT-32A70GU,LT-32A70SU
⚠	14	LCT2177-001A-U	INST BOOK	Russian/Romanian/Hungarian/Czech/Bulgarian/Polish/Ukrainian	LT-32A70BU,LT-32A70GU,LT-32A70SU

JVC

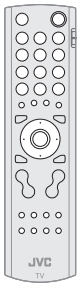
SCHEMATIC DIAGRAMS

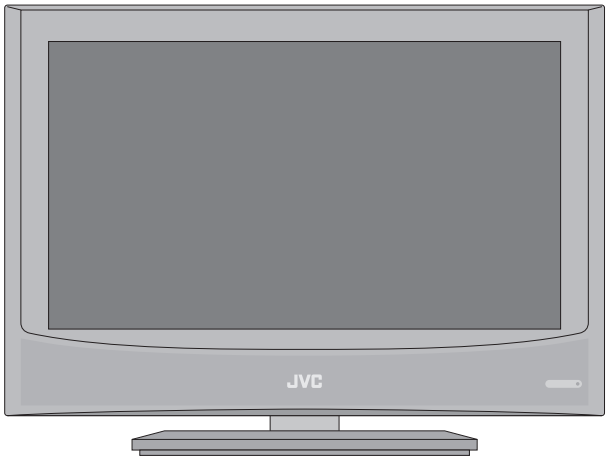
WIDE LCD PANEL TELEVISION

LT-26A70BJ, LT-26A70BU, LT-26A70SJ, LT-26A70SU, LT-32A70BJ, LT-32A70BU, LT-32A70GU, LT-32A70SJ, LT-32A70SU

CD-ROM No.SML200611

BASIC CHASSIS
FT2





InteriArt

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

T-V LINK

HD ready

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2006/11

LT-26A70BJ, LT-26A70BU, LT-26A70SJ, LT-26A70SU, LT-32A70BJ LT-32A70BU, LT-32A70GU, LT-32A70SJ, LT-32A70SU

STANDARD CIRCUIT DIAGRAM

■ NOTE ON USING CIRCUIT DIAGRAMS

1.SAFETY

The components identified by the ⚠ symbol and shading are critical for safety. For continued safety replace safety ciritical components only with manufactures recommended parts.

2.SPECIFIED VOLTAGE AND WAVEFORM VALUES

The voltage and waveform values have been measured under the following conditions.

(1)Input signal	: Colour bar signal
(2)Setting positions of each knob/button and variable resistor	: Original setting position when shipped
(3)Internal resistance of tester	: DC 20kΩ/V
(4)Oscilloscope sweeping time	: H ⇒ 20μs / div
	: V ⇒ 5ms / div
	: Othters ⇒ Sweeping time is specified
(5)Voltage values	: All DC voltage values

∗ Since the voltage values of signal circuit vary to some extent according to adjustments, use them as reference values.

3.INDICATION OF PARTS SYMBOL [EXAMPLE]

● In the PW board : R1209 → R209

4.INDICATIONS ON THE CIRCUIT DIAGRAM

(1)Resistors

● Resistance value

No unit	: [Ω]
K	: [kΩ]
M	: [MΩ]

● Rated allowable power

No indication	: 1/16 [W]
Others	: As specified

● Type

No indication	: Carbon resistor
OMR	: Oxide metal film resistor
MFR	: Metal film resistor
MPR	: Metal plate resistor
UNFR	: Uninflammable resistor
FR	: Fusible resistor

∗ Composition resistor 1/2 [W] is specified as 1/2S or Comp.

(2)Capacitors

● Capacitance value

1 or higher	: [pF]
less than 1	: [μF]

● Withstand voltage

No indication	: DC50[V]
Others	: DC withstand voltage [V]
AC indicated	: AC withstand voltage [V]

∗ Electrolytic Capacitors

47/50[Example]: Capacitance value [μF]/withstand voltage[V]

● Type

No indication	: Ceramic capacitor
MM	: Metalized mylar capacitor
PP	: Polypropylene capacitor
MPP	: Metalized polypropylene capacitor
MF	: Metalized film capacitor
TF	: Thin film capacitor
BP	: Bipolar electrolytic capacitor
TAN	: Tantalum capacitor

(3)Coils

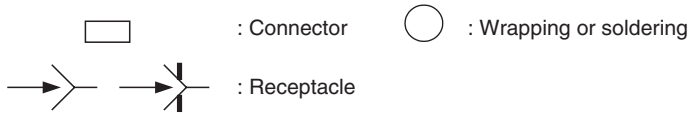
No unit	: [μH]
Others	: As specified

(4)Power Supply

∗ Respective voltage values are indicated

(5)Test point

(6)Connecting method



(7)Ground symbol

⊥ : LIVE side ground

⏚ : ISOLATED(NEUTRAL) side ground

⏚ : EARTH ground

▽ : DIGITAL ground

5.NOTE FOR REPAIRING SERVICE

This model's power circuit is partly different in the GND. The difference of the GND is shown by the LIVE : (⊥) side GND and the ISOLATED(NEUTRAL) : (⏚) side GND. Therefore, care must be taken for the following points.

(1)Do not touch the LIVE side GND or the LIVE side GND and the ISOLATED(NEUTRAL) side GND simultaneously. if the above caution is not respected, an electric shock may be caused. Therefore, make sure that the power cord is surely removed from the receptacle when, for example, the chassis is pulled out.

(2)Do not short between the LIVE side GND and ISOLATED(NEUTRAL) side GND or never measure with a measuring apparatus measure with a measuring apparatus (oscilloscope, etc.) the LIVE side GND and ISOLATED(NEUTRAL) side GND at the same time. If the above precaution is not respected, a fuse or any parts will be broken.

◆ **Since the circuit diagram is a standard one, the circuit and circuit constants may be subject to change for improvement without any notice.**

NOTE

◆ **Due improvement in performance, some part numbers show in the circuit diagram may not agree with those indicated in the part list.**
When ordering parts, please use the numbers that appear in the Parts List.

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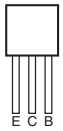
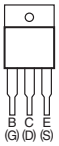
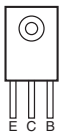
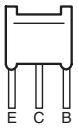
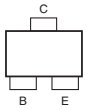
USING P.W. BOARD

PWB ASS'Y name	LT-26A70BJ	LT-26A70BU	LT-26A70SJ	LT-26A70SU
MAIN P.W. BOARD	SFT-1051A-U2	←	←	←
CONTROL P.W. BOARD	SFT-7251A-U2	←	←	←
IR P.W. BOARD	SFT-8951A-U2	←	←	←
POWER P.W. BOARD	SFT-9051A-U2	←	←	←

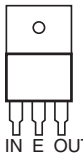
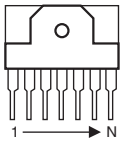
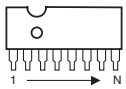
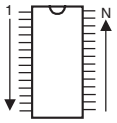
PWB ASS'Y name	LT-32A70BJ	LT-32A70BU	LT-32A70GU	LT-32A70SJ	LT-32A70SU
MAIN P.W. BOARD	SFT-1052A-U2	←	←	←	SFT-1052A-U2
CONTROL P.W. BOARD	SFT-7251A-U2	←	←	←	←
IR P.W. BOARD	SFT-8951A-U2	←	←	←	←
POWER P.W. BOARD	SFT-9051A-U2	←	←	←	←

SEMICONDUCTOR SHAPES

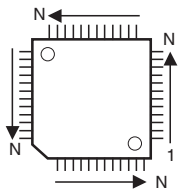
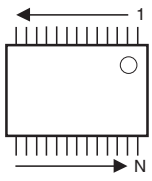
TRANSISTOR

BOTTOM VIEW	FRONT VIEW				TOP VIEW
					CHIP TR 

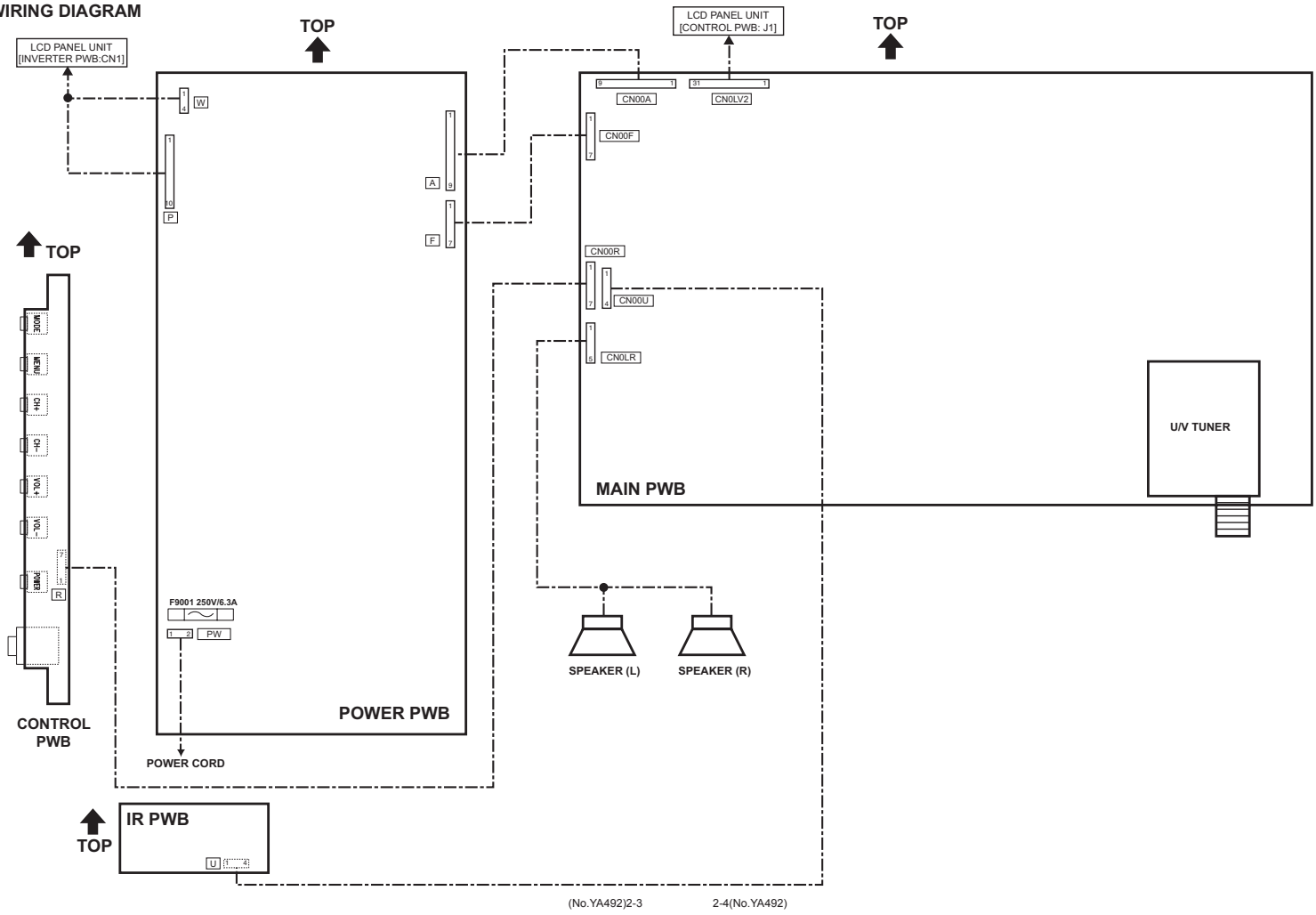
IC

BOTTOM VIEW	FRONT VIEW			TOP VIEW
				

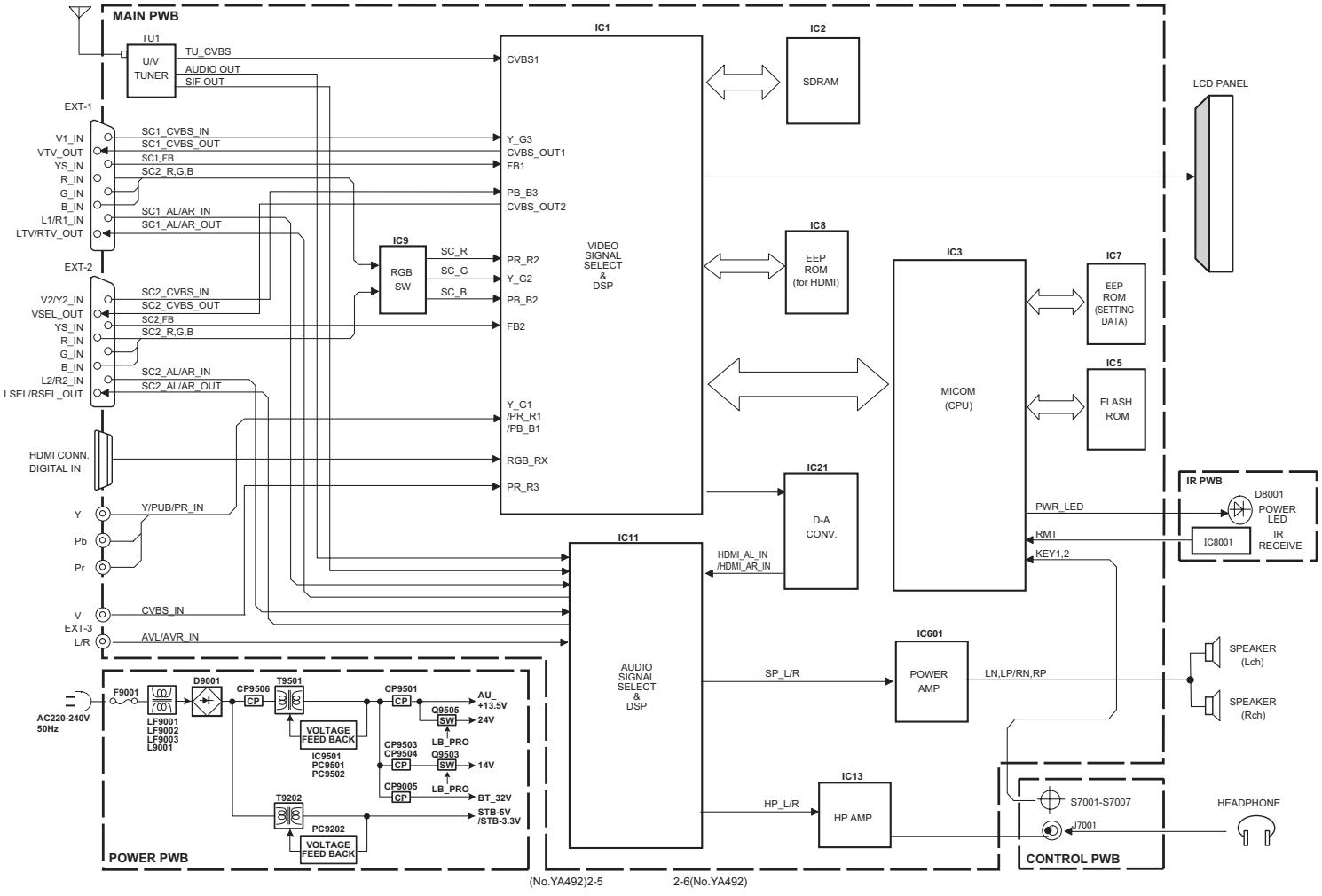
CHIP IC

TOP VIEW		
		

WIRING DIAGRAM



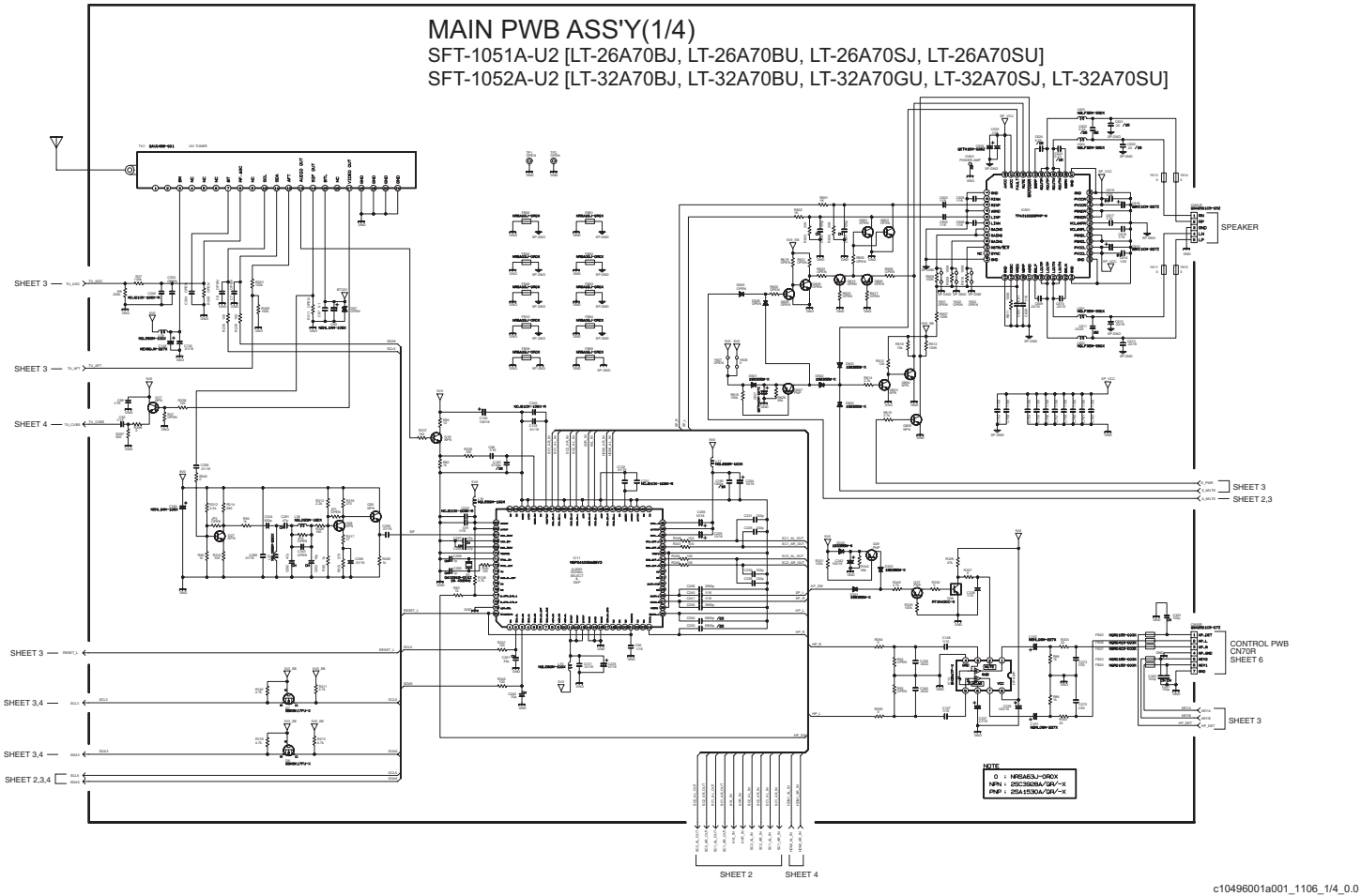
BLOCK DIAGRAM



(No.YA492)2-5 2-6(No.YA492)

CIRCUIT DIAGRAMS

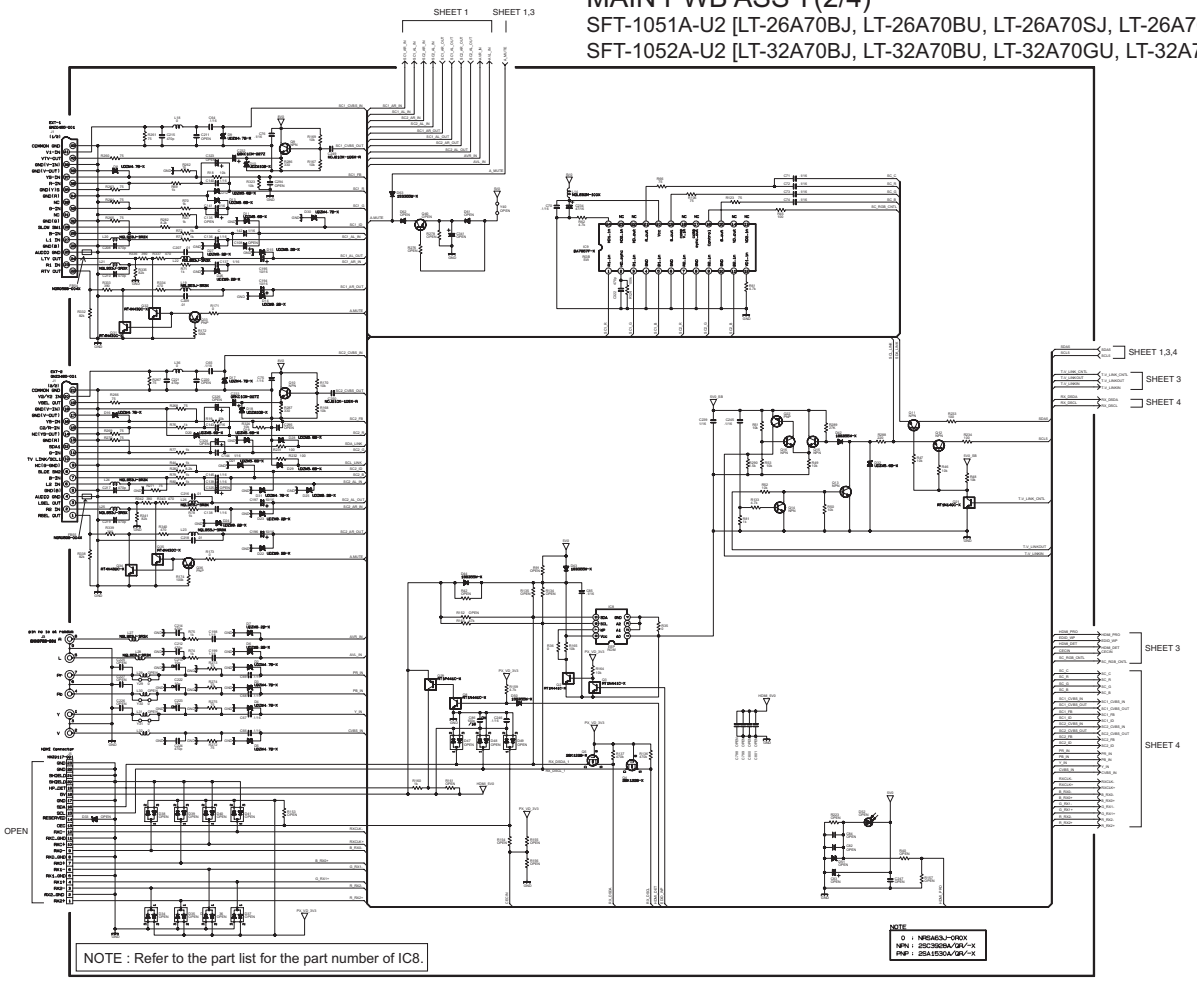
MAIN PWB CIRCUIT DIAGRAM (1/4) SHEET1



c10496001a001_1106_1/4_0.0

MAIN PWB ASS'Y(2/4)

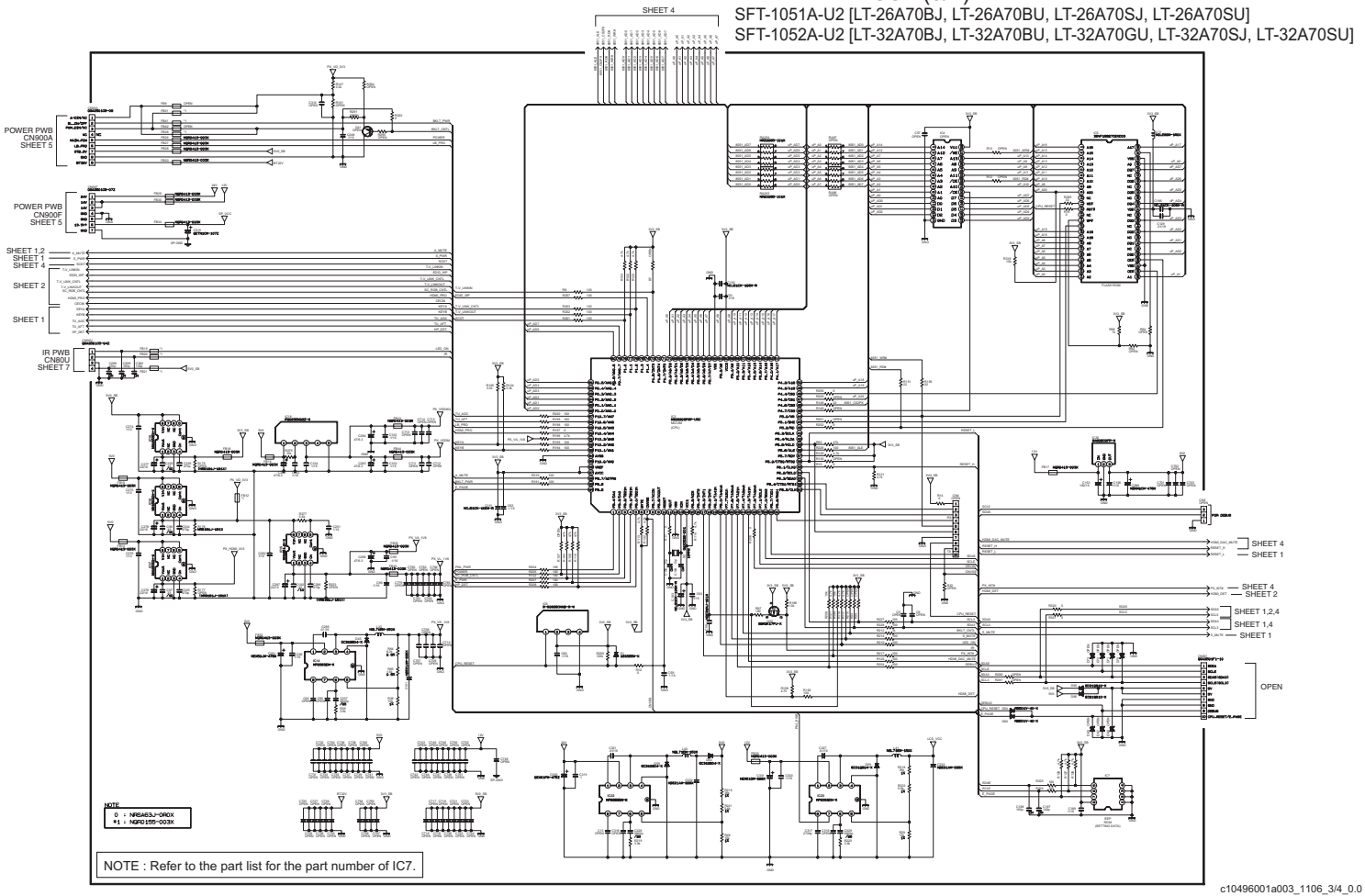
SFT-1051A-U2 [LT-26A70BJ, LT-26A70BU, LT-26A70SJ, LT-26A70SU]
SFT-1052A-U2 [LT-32A70BJ, LT-32A70BU, LT-32A70GU, LT-32A70SJ, LT-32A70SU]



MAIN PWB CIRCUIT DIAGRAM (3/4) SHEET 3

MAIN PWB ASS'Y(3/4)

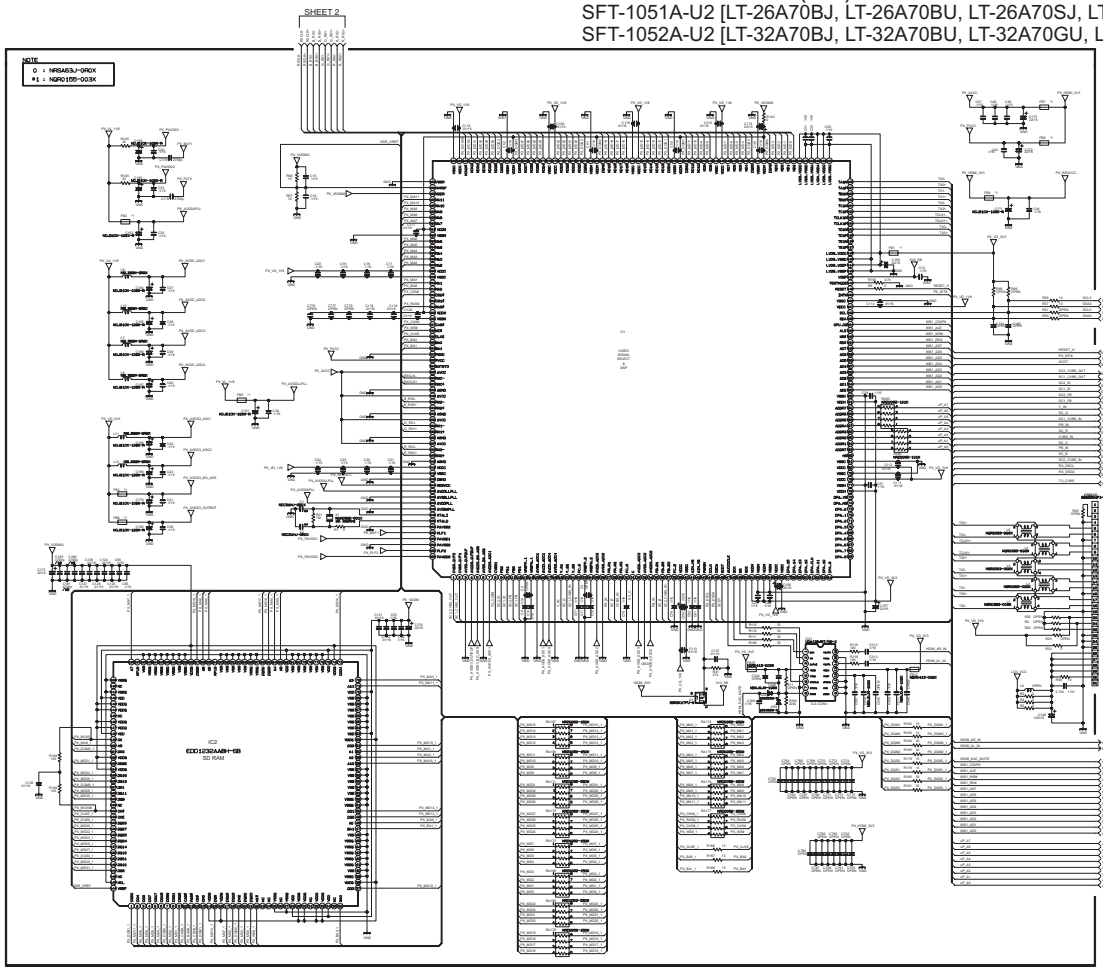
SFT-1051A-U2 [LT-26A70BJ, LT-26A70BU, LT-26A70SJ, LT-26A70SU]
SFT-1052A-U2 [LT-32A70BJ, LT-32A70BU, LT-32A70GU, LT-32A70SJ, LT-32A70SU]



c10496001a003_1106_3/4_0.0

MAIN PWB ASS'Y(4/4)

SFT-1051A-U2 [LT-26A70BJ, LT-26A70BU, LT-26A70SJ, LT-26A70SU]
SFT-1052A-U2 [LT-32A70BJ, LT-32A70BU, LT-32A70GU, LT-32A70SJ, LT-32A70SU]



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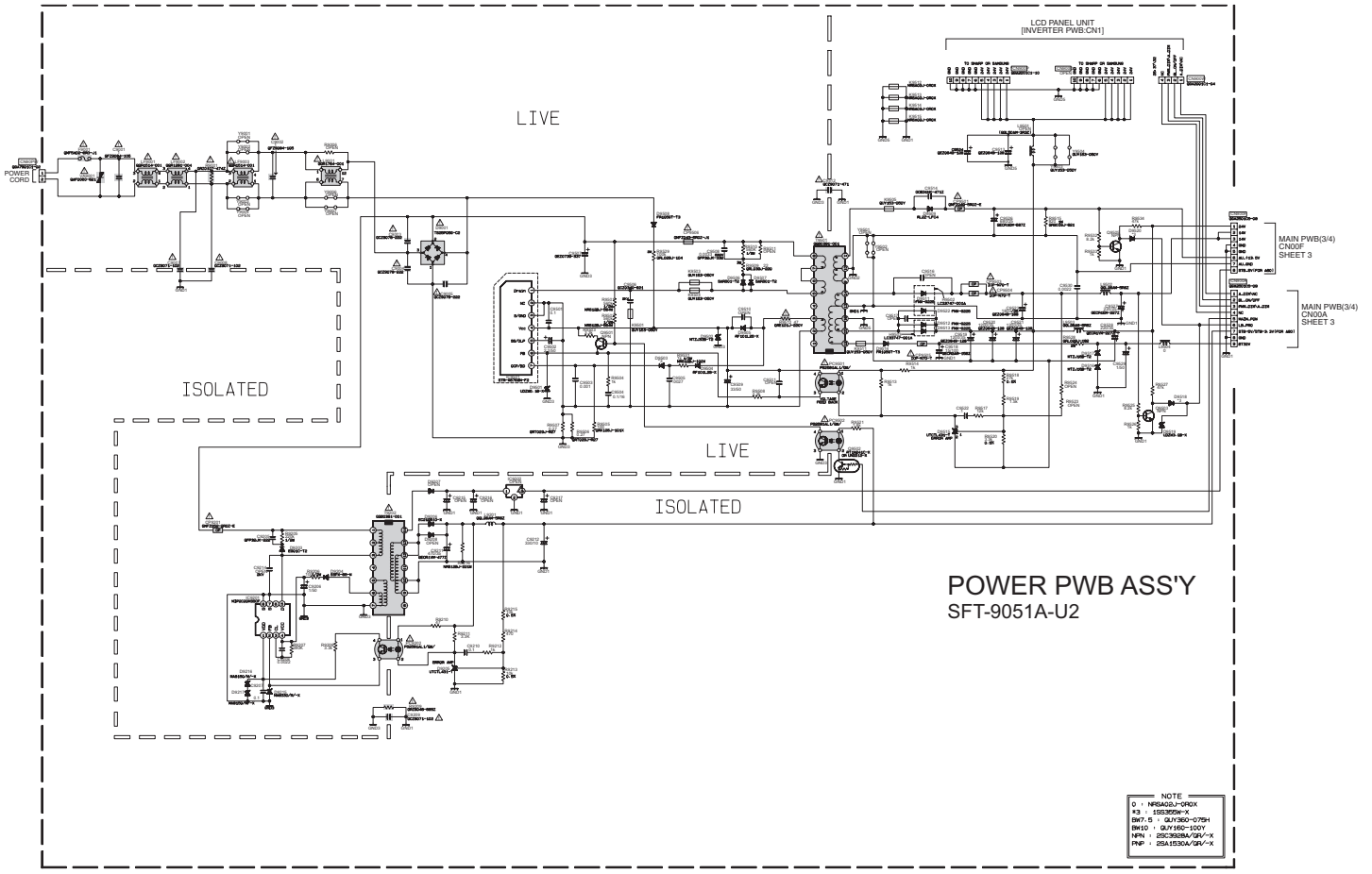
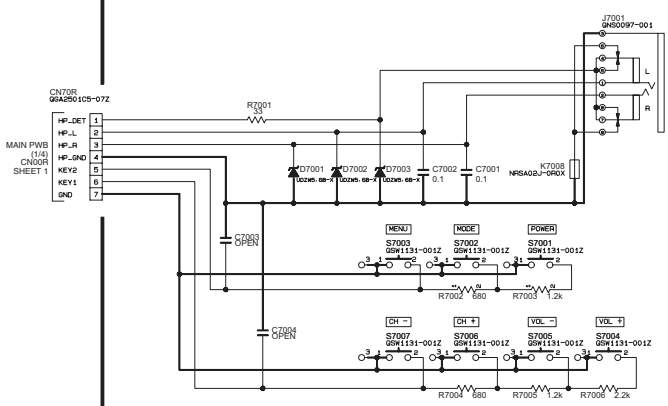
POWER PWB CIRCUIT DIAGRAM SHEET 5



c10497001a001_1106_1/1_0.0

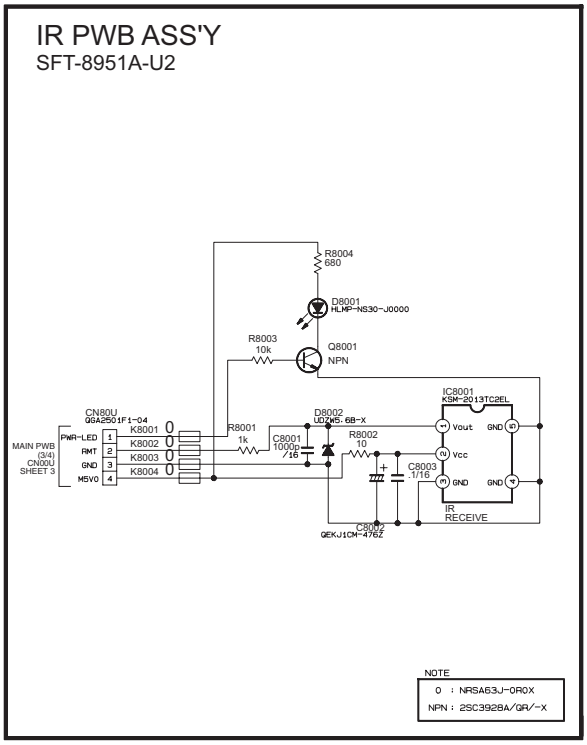
CONTROL PWB CIRCUIT DIAGRAM SHEET 6

CONTROL PWB ASS'Y
SFT-7251A-U2



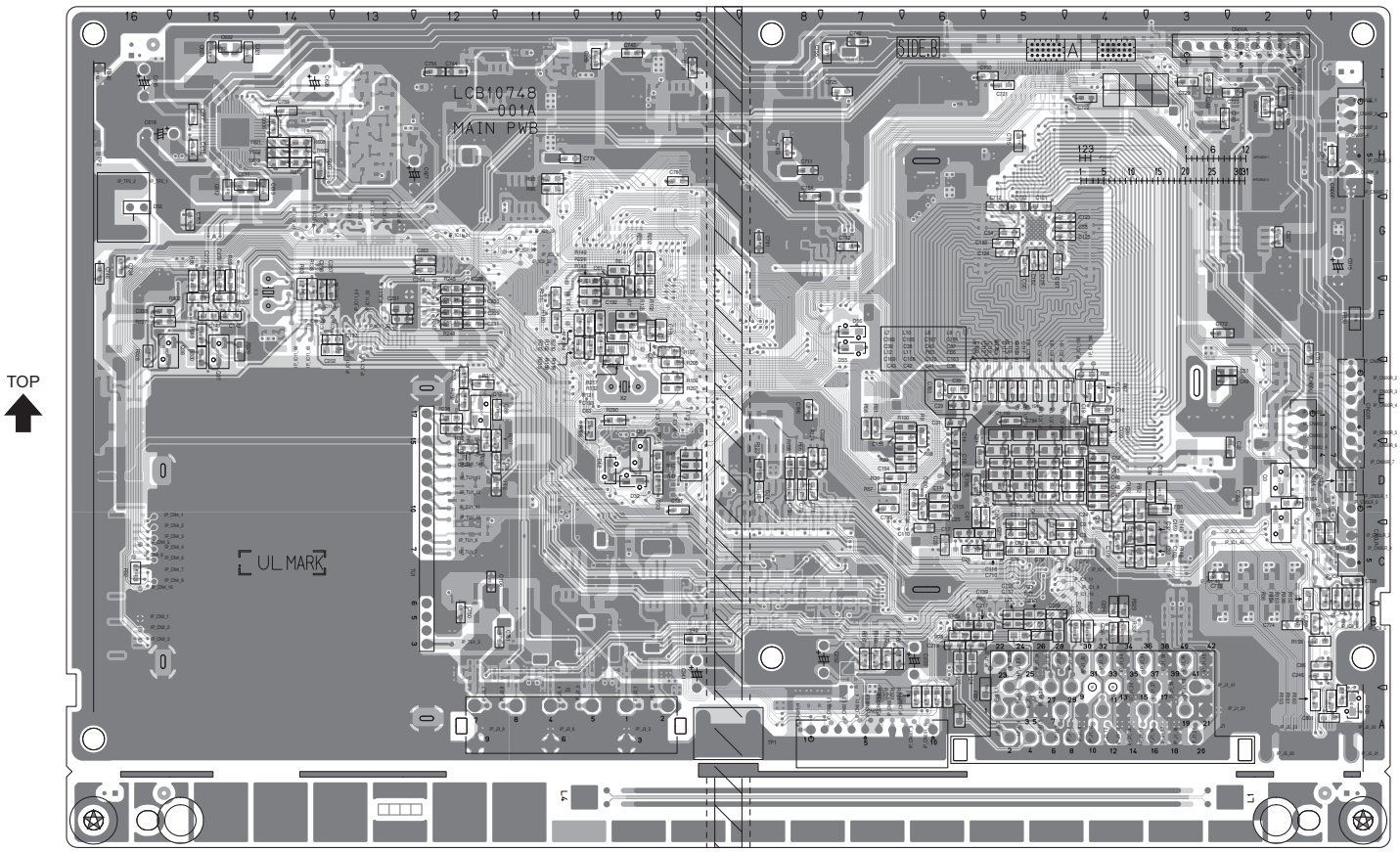
IR PWB CIRCUIT DIAGRAM SHEET 7

IR PWB ASS'Y
SFT-8951A-U2

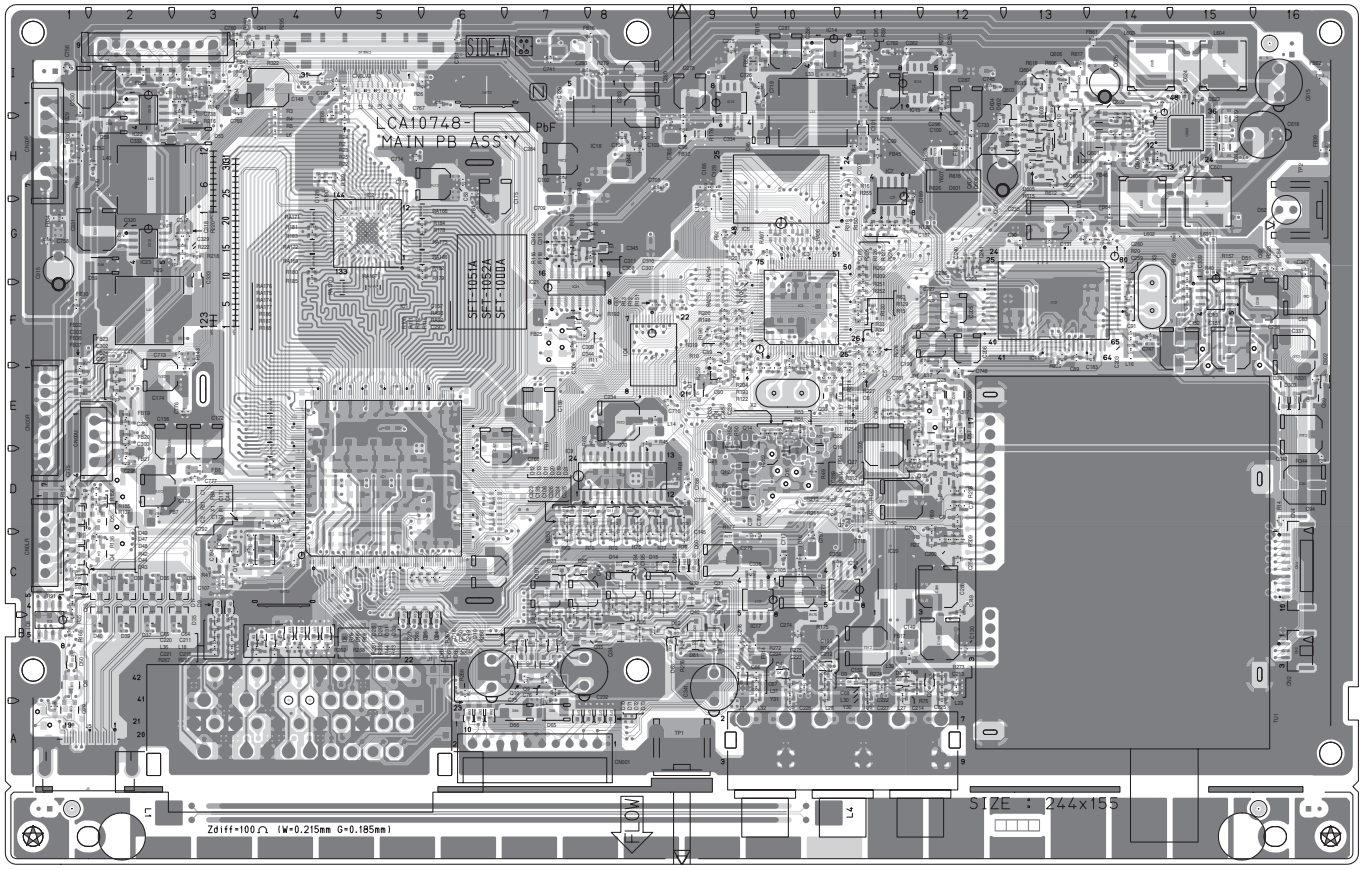


PATTERN DIAGRAMS

MAIN PWB PATTERN [SOLDER SIDE]

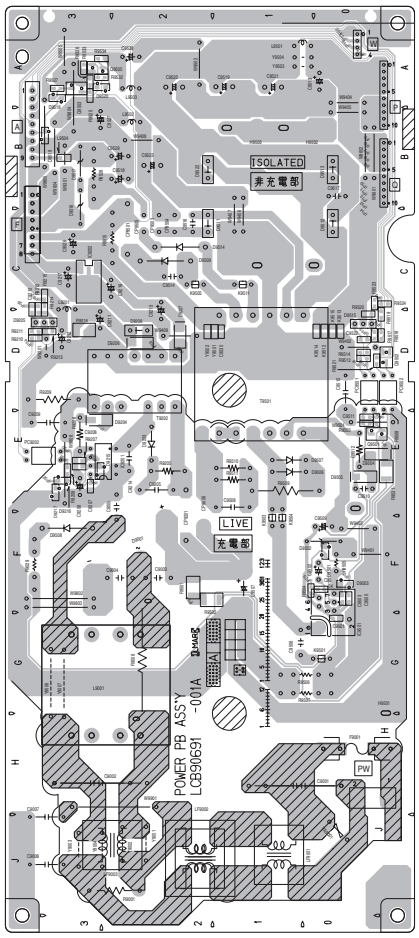


MAIN PWB PATTERN [PARTS SIDE]



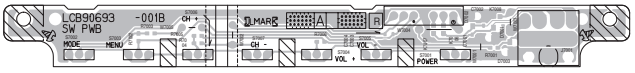
POWER PWB PATTERN

TOP



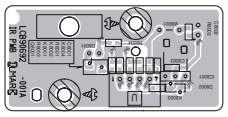
CONTROL PWB PATTERN

TOP



IR PWB PATTERN

TOP



VOLTAGE CHARTS

<MAIN PWB>
[P.2-7 - P.2-8]

MODE PIN NO.	DC (V)
IC11	
1	0
2	5.1
3	5.1
4	2.4
5	2.4
6	0
7	0.1
8	0.1
9	0.1
10	0.1
11	4.9
12	4.8
13	4.9
14	0
15	0
16	0
17	0.1
18	0
19	0
20	0
21	3.2
22	0
23	0
24	0
25	0
26	0
27	0
28	0
29	0
30	0
31	0
32	0
33	3.7
34	3.8
35	0
36	3.7
37	3.7
38	7.1
39	8.0
40	7.1
41	0
42	0
43	0
44	0
45	3.7
46	0
47	3.7
48	3.7
49	0
50	3.7
51	3.7
52	0
53	3.7
54	3.7
55	0
56	3.7
57	3.7
58	2.6
59	0
60	3.7
61	0
62	0
63	0
64	0
65	0
66	4.9
67	0
68	1.3
69	0
70	0.1
71	2.3
72	2.3
73	0.1
74	2.5
75	0
76	0
77	4.9
78	0
79	0
80	3.3
IC13	
1	1.9
2	0
3	1.9
4	0
5	1.9
6	0

MODE PIN NO.	DC (V)
7	4.0
8	4.0
9	0
10	0
11	0
12	0
13	0
14	0.8
15	4.0
16	1.3
17	0
18	16.3
19	0
20	6.6
21	6.6
22	6.6
23	16.3
24	0
25	0
26	13.3
27	13.4
28	0
29	0
30	10.5
31	10.5
32	0
33	0
34	0
35	13.4
36	0
37	0
38	16.2
39	6.5
40	6.6
41	6.6
42	6.6
43	16.2
44	5
45	0
46	0
47	13.3
48	13.4
Q6	
S	3.3
D	3.3
G	5.1
Q7	
S	3.3
D	3.1
G	5.1
Q17	
E	1.5
C	4.9
B	2.1
Q18	
E	0.5
C	4.9
B	1.0
Q26	
E	5.8
C	8.0
B	6.4
Q27	
E	1.8
C	4.2
B	2.5
Q28	
E	1.8
C	6.4
B	2.5
Q37	
E	2.3
C	2.2
B	1.7
Q38	
E	0
C	0
B	2.2
Q39	
E	4.4
C	0
B	4.9
Q603	
E	0
C	0.5
B	0
Q604	
E	0
C	0
B	0.6
Q605	
E	0
C	5.0
B	0
Q607	
E	7.5
C	0

MODE PIN NO.	DC (V)
B	7.9
TU1	-
3	0
4	0
5	0
6	0
7	0
8	0
9	0
10	4.8
11	4.7
12	2.2
13	2.3
14	0
15	32.2
16	0
17	2.1

[P.2-9 - P.2-10]

MODE PIN NO.	DC (V)
IC8	
1	0
2	0
3	0
4	0
5	3.0
6	2.9
7	4.6
8	4.6
IC9	
1	3.5
2	0
3	3.5
4	0
5	3.5
6	0
7	0
8	0
9	0
10	0
11	0
12	0
13	0
14	0
15	2.0
16	3.2
17	0
18	2.4
19	2.0
20	4.9
21	2.0
22	0
23	0
24	0
Q2	
E	0
C	4.6
B	0
Q3	
E	0
C	0
B	3.2
Q4	
S	3.3
D	3.1
G	3.0
Q5	
S	3.3
D	3.1
G	2.9
Q8	
E	0
C	2.9
B	0.6
Q9	
E	3.1
C	8.0
B	3.7
Q10	-
E	3.1
C	8.0
B	3.7
Q11	
E	0
C	5.1
B	0
Q12	
E	4.7
C	5.1
B	0
Q13	
E	0
C	4.7
B	0
Q14	

MODE PIN NO.	DC (V)
E	0
C	0
B	0
Q15	
E	4.4
C	5.1
B	5.0
Q16	
E	4.4
C	4.5
B	2.5
Q21	
E	0
C	0
B	3.2
Q22	
E	5.1
C	0
B	4.5
Q29	
E	2.9
C	0
B	2.9
Q31	
E	0
C	0
B	0
Q32	
E	0
C	0
B	0
Q33	
E	0
C	0
B	0
Q34	
E	0
C	0
B	0
Q35	
E	0
C	0
B	0
Q36	
E	0
C	0
B	0

[P.2-11 - P.2-12]

MODE PIN NO.	DC (V)
IC3	
1	3.3
2	3.2
3	3.1
4	0
5	0
6	3.1
7	0
8	0.1
9	0.1
10	3.2
11	1.7
12	0
13	0
14	3.3
15	3.2
16	0
17	0
18	0
19	0.1
20	3.2
21	0.1
22	0
23	0
24	3.2
25	3.3
26	0
27	3.3
28	3.2
29	0
30	0
31	0
32	0
33	0
34	3.3
35	0
36	0
37	0
38	0.2
39	0.1
40	3.3
41	0.1
42	0.7
43	1.5
44	3.3

MODE PIN NO.	DC (V)
45	3.3
46	2.9
47	3.3
48	0.1
49	2.9
50	2.9
51	2.9
52	2.8
53	0.3
54	2.8
55	2.8
56	2.8
57	0.1
58	2.8
59	0
60	3.3
61	2.9
62	0
63	0
64	3.2
65	2.8
66	0.4
67	1.3
68	1.3
69	1.5
70	1.8
71	0
72	0
73	0
74	3.1
75	0
76	3.2
77	0.1
78	3.3
79	0.1
80	1.4
81	0.1
82	0.1
83	0.1
84	2.0
85	1.0
86	0.2
87	2.5
88	0.2
89	0.2
90	1.3
91	0.1
92	0.2
93	3.3
94	0.2
95	0.1
96	3.2
97	0.3
98	0.1
99	0.2
100	0.2
IC5	
1	2.8
2	0.2
3	2.8
4	0
5	2.9
6	0.1
7	2.8
8	0.1
9	3.2
10	0
11	3.3
12	3.3
13	0
14	3.3
15	0
16	3.0
17	2.6
18	0
19	3.0
20	3.2
21	2.9
22	0.4
23	1.3
24	1.3
25	1.5
26	0
27	0.2
28	0
29	0
30	0
31	0.9
32	0
33	0.1
34	0
35	1.0
36	0
37	0
38	1.5
39	0
40	1.5

MODE PIN NO.	DC (V)
41	0
42	0
43	0.1
44	0
45	0
46	0
47	0
IC6	
1	3.3
2	3.3
3	0
4	0
IC7	-
1	0
2	0
3	0
4	0
5	3.2
6	3.2
7	3.2
8	3.3
IC14	
1	5.9
2	4.9
3	1.8
4	0
5	0.9
6	0
7	4.1
8	0.9
IC15	
1	1.8
2	0
3	0
4	0.5
5	3.2
6	0
7	0
8	3.3
IC16	
1	3.3
2	0
3	0
4	1.8
5	4.9
6	0
7	0
8	0
IC17	
1	3.3
2	0
3	0
4	1.9
5	4.9
6	0
7	0
8	4.9
IC18	
1	4.8
2	4.5
3	2.5
4	0
5	0
IC19	
1	3.3
2	0
3	0
4	1.9
5	5.1
6	0
7	0
8	5.1
IC20	
1	12.2
2	0
3	8.0
IC22	
1	10.0
2	23.8
3	5.2
4	0
5	0.9
6	1.1
7	-
8	-
IC23	
1	9.6
2	12.2
3	4.9
4	0
5	0
6	1.1
7	3.2
8	0.9
Q30	
S	3.3

MODE PIN NO.	DC (V)
D	3.3
G	5.1

[P.2-13 - P.2-14]

MODE PIN NO.	DC (V)
IC1	
1	1.1
2	2.8
3	0
4	3.3
5	3.1
6	0
7	3.3
8	0.6
9	0
10	0
11	0
12	0
13	1.4
14	0.6
15	0
16	1.8
17	1.8
18	0
19	0.2
20	0.7
21	0.5
22	0.5
23	1.3
24	0.7
25	1.7
26	0
27	0.5
28	0.6
29	0
30	0
31	0.7
32	1.8
33	0
34	3.3
35	0.1
36	0.7
37	0.1
38	0.6
39	1.8
40	0
41	1.0
42	1.3
43	1.6
44	3.1
45	3.1
46	3.3
47	0
48	0
49	0.1
50	0
51	0
52	0
53	0
54	0
55	1.8
56	0
57	2.2
58	2.3
59	2.2
60	2.2
61	0.2
62	2.2
63	2.2
64	0
65	2.2
66	2.2
67	2.2
68	2.2
69	2.2
70	2.3
71	2.2
72	2.3
73	2.2
74	0.2
75	0.2
76	3.2
77	3.3
78	0
79	1.7
80	0
81	0.2
82	0.2
83	1.6
84	1.5
85	1.3
86	1.3
87	0.4
88	3.0
89	3.2

MODE PIN NO.	DC (V)
90	3.2
91	3.3
92	0
93	1.3
94	0.9
95	2.0
96	1.1
97	1.6
98	1.6
99	1.6
100	1.8
101	0.7
102	3.2
103	0.4
104	3.0
105	3.3
106	3.2
107	1.8
108	0
109	3.3
110	0
111	0
112	5.1
113	0
114	3.3
115	0
116	3.3
117	0
118	0
119	1.3
120	1.3
121	1.2
122	1.2
123	1.3
124	1.3
125	1.2
126	1.3
127	1.3
128	0
129	0.3
130	3.2
131	3.2
132	3.2
133	0
134	3.2
135	0.7
136	0.6
137	0.6
138	0.5
139	1.6
140	2.5
141	0
142	0.9
143	0.6
144	0
145	0.6
146	0.5
147	1.7
148	0.3
149	0
150	0.6
151	0.6
152	0
153	0
154	2.5
155	0
156	0.9
157	0.7
158	0.5
159	0.5
160	0.6
161	1.8
162	0
163	0
164	0.6
165	0.7
166	0
167	0.1
168	1.7
169	0
170	0.9
171	0.7
172	0.1
173	0
174	0
175	1.7
176	0
177	0.6
178	0.5
179	0.7
180	0.5
181	0
182	2.5
183	0
184	0.9
185	0
186	0

MODE PIN NO.	DC (V)
187	0
188	0
189	1.0
190	0
191	1.8
192	0
193	0
194	1.2
195	2.4
196	0
197	0
198	0
199	0
200	0.1
201	2.5
202	0
203	0.1
204	0.1
205	0.1
206	0.1
207	0
208	1.8
209	0
210	0
211	0
212	2.0
213	2.4
214	2.4
215	2.5
216	0
217	2.1
218	2.3
219	2.5
220	0.1
221	0.1
222	0
223	3.3
224	0.1
225	3.3
226	3.3
227	3.3
228	0
229	3.3
230	3.3
231	3.3
232	0
233	3.3
234	3.3
235	3.3
236	0
237	3.3
238	3.3
239	3.3
240	0
241	1.7
242	0
243	0
244	3.3
245	1.9
246	0
247	1.8
248	0
249	0.8
250	0.8
251	0
252	0.9
253	1.7
254	0
255	0.9
256	1.7
IC2	-
IC21	
1	0
2	0.1
3	0
4	3.2
5	0
6	0
7	0
8	2.9
9	0
10	0
CN900W	
1	3.2
2	3.3
3	3.2
4	0

<POWER PWB>
[P.2-15 - P.2-16]

MODE PIN NO.	DC (V)
IC9201	
1	5.7
2	1.3
3	2.3
4	15.1
5	275.0
6	-
7	0
8	0
IC9501	
1	276.9
2	0
3	0
4	18.6
5	0
6	1.2
7	0.7
Q9501	
E	1.3
C	18.6
B	0
Q9502	
E	0
C	0
B	3.2
Q9503	
E	0
C	0
B	0.6
Q9505	
E	0
C	0
B	0.6
CN900P	
1	23.9
2	23.9
3	23.9
4	23.9
5	23.9
6	0
7	0
8	0
9	0
10	0
CN900W	
1	3.2
2	3.3
3	3.2
4	0

<IR PWB>
[P.2-17 - P.2-18]

MODE PIN NO.	DC (V)
5	1.2
6	1.3
7	0.2
8	1.3
9	1.2
10	0
11	1.2
12	1.3
13	0
14	1.2
15	1.3
16	0
17	1.2
18	1.3
19	0
20	0
21	3.3
22	0
23	0
24	0
25	0
26	4.9
27	4.9
28	4.9
29	4.9
30	4.9
31	0
IC8001	
1	5.0
2	5.0
3	0
4	0
5	0
Q8001	
E	0
C	0
B	0.7

WAVEFORMS

MAIN PWB (1/4)
(SHEET1)

IC11-71 (0.2µs) 1.2 Vp-p

IC11-72 (0.2µs) 1.8 Vp-p

TU1-17 (H) 0.8 Vp-p

MAIN PWB (3/4)
(SHEET3)

IC3-11 (0.5µs) 2.6 Vp-p

IC3-13 (0.5µs) 2.0 Vp-p

MAIN PWB (4/4)
(SHEET4)

IC1-2 (H) 0.9 Vp-p

IC1-8 (H) 0.8 Vp-p

IC1-19 (H) 0.8 Vp-p

IC1-21 (H) 0.8 Vp-p

IC1-27 (H) 0.7 Vp-p

IC1-35 (H) 0.7 Vp-p

IC1-249 (0.2µs) 0.7 Vp-p

IC1-250 (0.2µs) 0.9 Vp-p

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